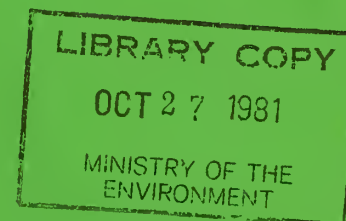




# 1980 WATER QUALITY SUMMARY NORTHEASTERN REGION WATER RESOURCES ASSESSMENT

1981



MOE  
WQS  
ARWG



Ontario

Ministry  
of the  
Environment

C.E. McINTYRE  
DIRECTOR  
NORTHEASTERN REGION

c.1  
a aa

LIBRARY OF THE MINISTRY OF THE ENVIRONMENT  
1000 QUEEN ST. W. TORONTO, ONT. M5G 1K1



1980

WATER QUALITY SUMMARY

NORTHEASTERN REGION, WATER RESOURCES ASSESSMENT

Copyright:

1981 - Her Majesty the Queen in Right of the Province of Ontario.

Permission is given to reprint any part of this report. Acknowledgement of the source and a copy of any resulting published document would be appreciated.



Environment Ontario

Laboratory Library

125 Resources Rd.

Mississauga, Ontario L4W 1A1

September 1981  
Water Resources Assessment  
Northeastern Region



1980 Water Quality Summary  
Northeastern Region

TABLE OF CONTENTS

	<u>Page</u>
Table of Contents	ii
Introduction	iii
Program Descriptions	iv
Glossary of Terms	vi
Acknowledgements	ix
ALGOMA DISTRICT *	1-i
COCHRANE DISTRICT	2-i
MANITOULIN DISTRICT	3-i
NIPISSING DISTRICT	4-i
PARRY SOUND DISTRICT *	5-i
SUDBURY DISTRICT *	6-i
TIMISKAMING DISTRICT	7-i
WATER WELL PROGRAM	
-ALGOMA DISTRICT	8-i
-COCHRANE DISTRICT	8-ii
-MANITOULIN DISTRICT	8-iii
-NIPISSING DISTRICT	8-iv
-PARRY SOUND DISTRICT	8-v
-SUDBURY DISTRICT	8-vi
-TIMISKAMING DISTRICT	8-vii
* - SUPPLEMENTAL INFORMATION	9-i



Digitized by the Internet Archive  
in 2015

<https://archive.org/details/1980waterquality25212>

## INTRODUCTION

The purpose of this summary is to provide under one cover the analytical results of water samples collected during the 1980 calendar year by the Water Resources Assessment Unit of the Ministry of the Environment, Northeastern Region. These data are usually made public in the form of technical evaluations or study reports on specific situations, however in some situations the reporting may be delayed because programs extend over several years or priorities are reordered. This summary ensures that the data is made available (public) annually for review, discussion and interpretation by interested persons outside the unit.

The data has not been interpreted herein. For a general guide to the Ministry's Water Management Policy, the reader is referred to the publication "Water Management, Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment, November 1978". Users who require more detail with respect to sample location and collection methods are encouraged to contact the Water Resources Assessment Unit in Sudbury, Ontario. Additional data is available for key locations throughout the region from the Routine Water Quality Monitoring Program through the annual publications "Water Quality Data, Ontario Lakes and Streams, Ministry of the Environment" 1980.

## PROGRAM DESCRIPTIONS

### Miscellaneous Lakes Program

An extensive sampling program designed to increase knowledge of the extent of acidic and acid-sensitive lakes in the Region. Primarily single samples collected and analysed for key acidification related parameters (pH, TIP alkalinity, conductivity).

\*Primarily collected as epilimnion composite samples.

### Special Studies (Rivers)

Water quality study programs collect information on river or creek systems in order to assess potential or suspected problems in the water course. The parameters analysed for vary depending on the nature of the anticipated problems.

\*See Glossary of Terms.

### Trophic Status Program

The determination of the recreational water quality of lakes, emphasizing the degree of nutrient enrichment (eutrophication) resulting from shoreline development, agricultural and urban drainage, point source nutrient inputs or watershed disturbances.



### Spring Phosphorus Program

Lakes are sampled at various locations once in the spring following the period of mixing.

Water samples obtained during this program:

- a) permit characterization of lake water chemistry;
- b) allow classification of lake trophic status;
- c) provide a data base from which shoreline development capacities can be established.

### Water Well Sampling Program

An ongoing program to collect regional background groundwater quality data by sampling approximately 1 in 10 of the newly drilled wells visited during the Water Well Inspection Program.

Samples are analyzed for components usually of interest in drinking water supplies.

### Trout Lakes Program

An intensive investigation of Lake Trophic Status. The sampling emphasis is on chemical and physical parameters which reflect the quality of the lake environment with relation to the requirements of cold water fishes.

## GLOSSARY OF TERMS AND ABBREVIATIONS

Al	Aluminum
Alk	Alkalinity
As	Arsenic
BOD <sub>5</sub>	5 Day Biochemical Oxygen Demand
Ca	Calcium
CaCO <sub>3</sub>	Calcium Carbonate
Cal. Dis. Solids	Calculated Dissolved Solids
Cd	Cadmium
Cl	Chloride
COD	Chemical Oxygen Demand
COND.	Conductivity in umhos/cm
Cr	Chromium
Cu	Copper
DOC	Dissolved organic carbon
DIC	Dissolved Inorganic carbon
D.O.	Dissolved Oxygen

## Glossary of Terms and Abbreviations--2

DRP	Dissolved Reactive phosphorous
DS	Dissolved Solids
Fe	Iron
For. U.	Formazin units
Haz. U.	Hazen Units
K	Potassium
Mg	Magnesium
mg/L	Milligrams per liter
Mn	Manganese
Mo	Molybdenum
Na	Sodium
NH <sub>3</sub>	Ammonia
Ni	Nickel
NO <sub>2</sub>	Nitrite
NO <sub>3</sub>	Nitrate
ph	The negative logarithm of the hydrogen ion concentration (L) lab, (f) field.
SO <sub>4</sub>	Sulphate

### Glossary of Terms and Abbreviations--3

Temp.	Temperature in degrees celsius
TIC	Total inorganic carbon
TIP/ALK	Total Inflection point Alkalinity
TKN	Total Kjedhal Nitrogen
TOC	Total organic Carbon
TP	Total phosphorous
Turb.	Turbidity
umho/cm	Micro mhos per centimeter
V.S.S.	Volitile suspended solids

### Sample Types

- Composite ..... Composite from surface through a specific depth (usually 2 times photiczone) by filling a sample bottle as it is lowered.
- CAN Composite ..... See composite.
- Tube Composite .... A composite sample obtained from surface through a specific depth using a plastic tube to trap the desired interval. Generally a truer composite than described in composite.

## ACKNOWLEDGEMENTS

Mr. K. D. Hawley and Mr. D. R. Hillier, the editors of this report wishes to acknowledge the assistance of the following:

- The Word Processing Centre at the Regional Office for the extensive typing of the manuscript.
- The staff of the Technical Support Section for their assistance in data preparation



ALGOMA DISTRICT

	<u>Page</u>
AWERES LAKE	1-1
BLUE LAKE	1-1
DEPOT LAKE	1-2
DOC GREIG LAKE	1-2
DUNLOP LAKE	1-3
ESTEN LAKE	1-3
GOUDREAU LAKE	1-3
GOULAIS LAKE	1-4
GOVERNMENT LAKE	1-4
LAKE 'C'	1-5
LAKE OF THE MOUNTAINS	1-5
LAUZON LAKE	1-5
LLOYD LAKE	1-8
MATINENDA LAKE	1-9
MEGISAN LAKE	1-9
NORTHLAND LAKE	1-9
PARK LAKE	1-10
RED ROCK LAKE	1-10
SADDLE LAKE	1-10
SPANISH RIVER	1-11
SUMMIT LAKE	1-19
WAWA LAKE	1-20





WATERBODY: AWERES LAKE  
 TOWNSHIP: AWERES  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 46°39'  
 LONGITUDE: 48°17'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH mg <sup>3</sup> /L	TKN mg/L	NO mg <sup>2</sup> /L	NO mg <sup>3</sup> /L	SO mg <sup>4</sup> /L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	Hard. mg/L	pH
A-1	22/05/80	0.016	0.23	0.003	0.122	6.5	6.05	10	4.6	0.85	15	7.09
A-2	22/05/80											
A-3	22/05/80	0.024	0.26	0.002	0.118	7.0	5.90	10	4.6	0.85	15	7.15
A-4	22/05/80											
AVERAGE		0.020	0.25	0.003	0.120	6.8	5.98	10	4.6	0.85	15	7.12

Station	Date D/M/Y	Colour Haz. U.	Cond. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L
A-1	22/05/80	22	60	4.0	2.8			0.006				
A-2	22/05/80											
A-3	22/05/80											
A-4	22/05/80	21	60	3.8	2.0			0.007				
AVERAGE		22	60	3.9	2.4			0.006				

WATERBODY: AWERES LAKE  
 TOWNSHIP: AWERES  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°39'  
 LONGITUDE: 48°17'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND umho/cm
	22/05/80	7.29	6.89	52

WATERBODY: BLUE LAKE  
 TOWNSHIP: LARK  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 10°04'  
 LONGITUDE: 84°48'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	Hard mg/L	pH
G-1	05/06/80	0.018	0.017	0.001	0.019	3.0	0.35	43	12.0	2.50	40	7.62
G-2	05/06/80	0.074	0.015	0.001	0.019	2.5	0.25	39	11.6	2.40	39	8.02
AVERAGE		0.046	0.016	0.001	0.019	2.8	0.30	42	11.8	2.45	40	7.82

WATERBODY: BLUE LAKE                      LATITUDE: 10°04'  
 TOWNSHIP: LARK                              LONGITUDE: 84°17'  
 PROGRAM: SPRING PHOSPOROUS              SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	Colour Haz. U.	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DPR mg/L
G-1	05/06/80	1.0	90	2.2	10.4	0.004	0.001
G-2	05/06/80	0.1	85	2.2	10.0	0.002	0.001
AVERAGE		0.6	88	2.2	10.2	0.003	0.001

WATERBODY: DEPOT LAKE                      LATITUDE: 46°20'  
 TOWNSHIP: ESTEN                              LONGITUDE: 82°35'  
 PROGRAM: SPRING PHOSPOROUS              SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	Hard mg/L	pH
D-1	14/05/80	0.064	0.34	0.003	0.152	29.5	6.95	8	10.2	1.85	33	6.64
D-2	14/05/80											
D-3	14/05/80											
D-4	14/05/80	0.100	0.38	0.003	0.142	28.5	6.85	9	10.4	1.85	34	6.57
AVERAGE		0.082	0.36	0.003	0.147	29.0	6.90	9	10.3	1.85	34	6.61

Station	Colour	COND. umho/cm	DOC mg/L	DIC mg/L	Na mg/L	K mg/L	TP mg/L	DRP mg/L	Fe mg/L
D-1	16	110	3.4	1.2	4.9	1.10	0.011	0.001	0.07
D-2							0.014	0.002	
D-3							0.016	0.003	
D-4	17	110	3.6	1.4	4.5	1.15	0.020	0.003	0.12
AVERAGE	17	110	3.5	1.3	4.7	1.13	0.015	0.002	0.10

WATERBODY: DOC GREIG LAKE                      LATITUDE: 47°29'  
 TOWNSHIP: 30 / XVIII                              LONGITUDE: 84°48'  
 PROGRAM: MISCELLANEOUS LAKES              SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	09/10/80	-0.01	5.399	30

WATERBODY: DUNLOP LAKE  
TOWNSHIP: 150 / 156 / Boack / Beange  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°29'  
LONGITUDE: 82°42'  
SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	07/09/80	5.65	6.889	28

WATERBODY: ESTEN LAKE  
TOWNSHIP: ESTEN  
PROGRAM: SPRING PHOSPOROUS

LATITUDE: 46°22'  
LONGITUDE: 82°40'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH
E-1	14/05/80	0.172	0.54	0.033	0.577	65.0	9.45	9	25.0	3.80	78	6.29
E-2	14/05/80	0.304	0.76	0.010	0.430	52.5	9.70	10	19.8	2.95	62	6.17
E-3	14/05/80	0.172	0.50	0.003	0.397	50.0	9.55	10	18.4	2.85	58	6.31
E-4	14/05/80	0.222	0.57	0.003	0.402	50.5	9.60	11	21.0	2.85	64	6.28
AVERAGE		0.218	0.59	0.012	0.452	54.5	9.58	10	21.1	3.11	66	6.26

Station	Date D/M/Y	Colour Haz. U.	COND. umho/cm	DOC mg/L	DIC mg/L	Na mg/L	K mg/L	TP mg/L	DRP mg/L	Fe mg/L
E-1	14/05/80	16	220	3.5	2.0	6.2	2.20	0.051	0.007	0.06
E-2	14/05/80	18	185	3.7	2.8	6.5	1.80	0.089	0.030	0.08
E-3	14/05/80	18	175	3.7	2.0	6.6	1.70	0.059	0.013	0.08
E-4	14/05/80	14	175	3.7	2.4	6.7	1.80	0.070	0.019	0.10
AVERAGE		17	189	3.7	2.3	6.5	1.88	0.067	0.017	0.08

WATERBODY: GOUDREAU LAKE  
TOWNSHIP: 27-XXVI, 49  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 48°17'  
LONGITUDE: 84°26'  
SAMPLE TYPE : SURFACE GRAB

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	30/07/80	44.58	7.207	134

WATERBODY: GOULAIS LAKE                      LATITUDE: 47°10'  
 TOWNSHIP: 6H / 7H                              LONGITUDE: 83°40'  
 PROGRAM: MISCELLANEOUS LAKES              SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	10/07/80	5.91	6.248	38

WATERBODY: GOVERNMENT LAKE                      LATITUDE: 49°12'  
 TOWNSHIP: LESSARD                              LONGITUDE: 84°58'  
 PROGRAM: SPRING PHOSPOROUS              SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TLN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH
G-1	04/06/80	0.044	0.45	0.003	0.007	6.5	0.25	61	19.6	3.75	64	7.78
G-2	04/06/80											
G-3	04/06/80											
G-4	04/06/80	0.082	0.55	0.003	0.007	6.0	0.30	60	19.8	3.65	64	7.75
AVERAGE		0.063	0.50	0.003	0.007	6.3	0.28	61	19.7	3.70	64	7.77

Station	Date D/M/Y	Colour Haz. U.	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L
G-1	04/06/80	72	125	12.8	13.6	0.012	0.001
G-2	04/06/80					0.006	0.001
G-3	04/06/80					0.009	0.001
G-4	04/06/80	72	125	12.4	13.8	0.014	0.003
AVERAGE		72	125	12.6	13.7	0.010	0.002

WATERBODY: GOVERNMENT LAKE                      LATITUDE: 49°12'  
 TOWNSHIP: LESSARD                              LONGITUDE: 84°53'  
 PROGRAM: MISCELLANEOUS LAKES              SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	04/06/80	58.18	7.74	123

WATERBODY: LAKE 'C'                      LATITUDE: 46°29'  
 TOWNSHIP: BOUCH (150)                  LONGITUDE: 82°38'  
 PROGRAM: MISCELLANEOUS LAKES        SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	07/09/80	3.82	6.738	29

WATERBODY: LAKE OF THE MOUNTAINS      LATITUDE: 46°15'  
 TOWNSHIP: COBDEN                          LONGITUDE: 82°55'  
 PROGRAM: SPRING PHOSPOROUS            SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	-ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH
L-1	15/05/80	0.026	0.32	0.002	0.093	8.0	0.60	7	3.6	0.70	12	6.55
L-2	15/05/80	0.014	0.24	0.002	0.103	8.0	0.55	9	3.4	0.80	12	6.52
L-3	15/05/80	0.036	0.30	0.002	0.098	8.0	0.60	8	3.6	0.75	12	6.52
L-4	15/05/80	0.010	0.26	0.002	0.093	7.5	0.50	8	3.6	0.80	12	6.55
AVERAGE		0.022	0.28	0.002	0.097	7.9	0.56	8	3.6	0.76	12	6.53

Station	Date D/M/Y	Colour Haz. U.	COND. umho/cm	DOC mg/L	DIC mg/L	Na mg/L	K mg/L	TP mg/L	DRP mg/L	Fe mg/L
L-1	15/05/80	10	37	3.2	1.2	1.1	0.40	0.013	0.001	0.16
L-2	15/05/80	7	36	3.3	1.2	1.0	0.35	0.009	0.001	0.08
L-3	15/05/80	9	37	3.3	1.0	1.1	0.45	0.008	0.001	0.14
L-4	15/05/80	7	36	3.3	1.6	1.6	0.35	0.012	0.001	0.12
AVERAGE		9	37	3.3	1.3	1.1	0.39	0.011	0.001	0.13

WATERBODY: LAUZON LAKE                      LATITUDE: 46°12'  
 TOWNSHIP: STRIKER                          LONGITUDE: 82°50'  
 PROGRAM: SPRING PHOSPOROUS            SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH
L-1	15/05/80	0.014	0.24	0.002	0.068	12.5	1.45	8	5.2	1.15	18	6.71
L-2	15/05/80	0.006	0.16	0.003	0.222	14.0	1.40	7	5.0	1.15	17	6.56
L-3	15/05/80	0.006	0.16	0.002	0.228	14.0	1.65	7	5.0	1.15	17	6.60
L-4	15/05/80	0.004	0.16	0.002	0.223	14.0	1.55	7	5.4	1.15	18	6.62
L-5	15/05/80	0.004	0.26	0.008	0.067	13.0	1.70	9	5.8	1.10	19	6.42
L-6	15/05/80	0.006	0.24	0.004	0.136	13.5	1.70	8	5.2	1.15	18	6.62
AVERAGE		0.007	0.20	0.004	0.157	13.5	1.58	8	5.3	1.14	18	6.59



## LAUZON LAKE (cont'd)

Station	Date D/M/Y	Colour Haz. U.	COND. umho/cm	DOC mg/L	DIC mg/L	Na mg/L	K mg/L	TP mg/L	DRP mg/L	Fe mg/L
L-1	15/05/80	7	55	2.8	1.6	1.6	0.55	0.011	0.002	0.04
L-2	15/05/80	1	55	1.9	1.2	1.5	0.50	0.007	0.001	0.02
L-3	15/05/80	1	55	1.9	1.0	1.5	0.55	0.006	0.001	0.02
L-4	15/05/80	0.1	55	2.3	1.0	1.7	0.55	0.007	0.001	0.03
L-5	15/05/80	6	55	2.7	1.4	1.6	0.50	0.008	0.001	0.05
L-6	15/05/80	1	55	4.3	1.8	1.5	0.55	0.010	0.001	0.12
AVERAGE		2.7	55	2.7	1.3	1.6	0.53	0.008	0.001	0.05

WATERBODY: LAUZON LAKE  
TOWNSHIP: STRIKER/LONG  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°12'  
LONGITUDE: 82°50'  
SAMPLE TYPE: B) BOTTOM SAMPLE  
C) TUBE COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
1-C	23/06/80	3.52	6.567	54
1-C	19/08/80	3.91	6.916	54
1-B	23/06/80		6.412	56
1-B	19/08/80		6.630	56
2-C	15/05/80	4.81	6.76	54
2-C	23/06/80	3.50	6.560	54
2-C	19/08/80	3.88	6.930	54
2-B	23/06/80	3.50	6.418	56
2-B	19/08/80		6.586	54
3-C	23/06/80	3.61	6.600	54
3-C	19/08/80	3.99	6.971	54
3-B	23/06/80	3.50	6.452	56
3-B	19/08/80		6.865	54
4-C	23/06/80	4.40	6.715	55
4-C	19/08/80	4.58	7.043	56
4-B	23/06/80		6.561	56
4-B	19/08/80		6.471	56

WATERBODY: LAUZON LAKE  
TOWNSHIP: STRIKER/LONG  
PROGRAM: TROUT LAKES

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH
LA-1	/05/80	0.006	0.16	0.003	0.222	14.0	1.40	7	5.0	1.15	17	6.56
LA-1	/06/80	0.030	0.14	0.003	0.212							6.57
LA-1	/07/80	0.085	0.20	0.003	0.192							
LA-1	/08/80	0.012	0.14	0.002	0.123							6.92

## LAUZON LAKE (cont'd)

Station	Date /M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH
LA-1	/10/80	0.010	0.15	0.002	0.173	15.5	1.45	8	5.4	1.15	18	6.87
LA-1B	/06/80	0.016	0.13	0.002	0.233							6.41
LA-1B	/07/80	0.021	0.18	0.002	0.203							
LA-1B	/08/80	0.022	0.15	0.001	0.188							6.63
LA-1B	/10/80	0.034	0.26	<0.001	0.185	14.0	1.70	7	5.2	1.25	18	6.50
LA-2	/05/80	0.006	0.16	0.003	0.222	14.0	1.65	7	5.0	1.15	17	6.56
LA-2	/06/80	0.030	0.13	0.004	0.216							6.56
LA-2	/07/80	0.049	0.18	0.003	0.197							
LA-2	/08/80	0.012	0.15	0.002	0.123							6.93
LA-2	/10/80	0.014	0.14	0.003	0.177	14.0	1.50	7	5.0	1.15	17	6.89
LA-2B	/06/80	0.018	0.14	0.002	0.243							6.42
LA-2B	/07/80	0.021	0.17	0.002	0.233							
LA-2B	/08/80	0.012	0.14	<0.001	0.188							6.87
LA-2B	/10/80	0.026	0.15	0.001	0.250	14.0	1.55	7	5.0	1.25	18	6.51
LA-3	/05/80	0.004	0.16	0.002	0.223	14.0	1.55	7	5.4	1.15	18	6.62
LA-3	/06/80	0.018	0.13	0.003	0.207							6.60
LA-3	/07/80	0.014	0.16	0.002	0.188							
LA-3	/08/80	0.008	0.16	0.002	0.123							6.97
LA-3	/10/80	0.010	0.13	0.003	0.177	14.0	1.50	9	5.2	1.15	18	6.95
LA-3B	/06/80	0.012	0.14	0.002	0.238							6.45
LA-3B	/07/80	0.021	0.13	0.001	0.239							6.80
LA-3B	/08/80	0.016	0.19	0.001	0.129							6.86
LA-3B	/10/80	0.020	0.16	0.001	0.214	14.0	1.55	7	5.0	1.20	17	6.59
LA-4	/05/80	0.005	0.25	0.006	0.102	13.3	1.70	8.5	5.5	1.13	18	6.52
LA-4	/06/80	0.018	0.15	0.003	0.157							6.71
LA-4	/07/80	0.019	0.17	0.002	0.132							
LA-4	/08/80	0.012	0.16	0.002	0.058							7.04
LA-4	/10/80	0.012	0.14	0.002	0.118	13.5	1.65	8	5.2	1.20	18	6.95
LA-4B	/06/80	0.026	0.17	0.003	0.167							6.56
LA-4B	/07/80	0.039	0.16	0.001	0.189							6.56
LA-4B	/08/80	0.044	0.19	0.001	0.139							6.47
LA-4B	/10/80	0.030	0.15	0.001	0.210	13.5	1.85	9	5.2	1.35	19	6.40

Station	Date /M/Y	TP mg/L	COND. umho/cm	TOC mg/L	TIC mg/L	Na mg/L	K mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L
LA-1	/05/80	7	55	1.9	1.2	1.5	0.50						
LA-1	/06/80		54							0.008	0.008	<0.005	0.003
LA-1	/07/80	2.1						<0.01	<0.02	<0.03	0.02	<0.005	0.05
LA-1	/08/80	1.7	54										
LA-1	/10/80	8.5	54	2.0	1.0	1.3	0.50						
LA-1B	/06/80		56										
LA-1B	/07/80	1.9											
LA-1B	/08/80	15.7	56										
LA-1B	/10/80	18.0	54	2.2	1.4	1.4	0.55						
LA-2	/05/80	7	55	1.9	1.0	1.5	0.55						
LA-2	/06/80		54							0.008	0.010	<0.0005	0.066





WATERBODY: MATINENDA LAKE  
 TOWNSHIP: SCARFE/MACK/161/167  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°22'  
 LONGITUDE: 82°57'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	15/05/80	4.86	6.90	35.6

WATERBODY: MATINENDA LAKE  
 TOWNSHIP: SCARFE  
 PROGRAM: SPRING PHOSPOROUS

LATITUDE: 46°22'  
 LONGITUDE: 82°57'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOUR Haz. U.
M-1	15/05/80												
M-2	15/05/80	0.010	0.18	0.002	0.148	8.5	0.20	7	4.4	0.65	14	6.17	4
M-4	15/05/80	0.010	0.17	0.002	0.198	8.0	0.35	7	4.4	0.60	13	6.11	6
AVERAGE		0.010	0.18	0.002	0.173	8.3	0.28	7	4.4	0.63	14	6.14	5

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	N a mg/L	K mg/L	Fe mg/L
M-1	15/05/80								
M-2	15/05/80	34	2.6	1.0	0.004	0.001	0.7	0.30	0.06
M-4	15/05/80	34	3.0	1.0	0.004	0.002	0.7	0.30	0.08
AVERAGE		34	2.8	1.0	0.004	0.002	0.7	0.30	0.07

WATERBODY: MEGISAN LAKE  
 TOWNSHIP:  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°15'  
 LONGITUDE: 83°32'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	10/07/80	10.56	6.768	49

WATERBODY: NORTHLAND LAKE  
 TOWNSHIP: DEROCHE  
 PROGRAM: SPRING PHOSPOROUS

LATITUDE: 46°42'  
 LONGITUDE: 84°07'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
N-1	21/05/80												
N-2	21/05/80	0.008	0.24	0.003	0.312	6.5	0.45	5	2.8	0.45	9	6.84	21
N-3	21/05/80												
N-4	21/05/80	0.006	0.24	0.002	0.318	6.5	0.45	7	2.8	0.45	9	5.94	18
AVERAGE		0.007	0.24	0.003	0.315	6.5	0.45	6	2.8	0.45	9	6.39	20

WATERBODY: NORTHLAND LAKE      LATITUDE: 46°42'  
 TOWNSHIP: DEROCHE      LONGITUDE: 84°07'  
 PROGRAM: SPRING PHOSPOROUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	TP mg/L	DRP mg/L	COND. umho/cm	DOC mg/L	DIC mg/L
N-1	21/05/80	D.006	D.001			
N-2	21/05/80	0.007	D.001	31	4.3	0.4
N-3	21/05/80	0.012	0.001			
N-4	21/05/80	D.009	0.001	29	4.3	0.6
AVERAGE		D.009	D.001	30	4.3	0.5

WATERBODY: PARK LAKE      LATITUDE: 49°27'  
 TOWNSHIP: McEWINGS      LONGITUDE: 84°41'  
 PROGRAM: SPRING PHOSPOROUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	Colour Haz. U.
P-1	05/06/80	0.038	0.27	0.002	0.028	2.5	0.75	66	18.8	3.80	63	8.00	2
P-2	05/06/80	D.086	0.35	0.002	0.023	2.5	0.75	69	20.0	4.00	66	7.85	1
AVERAGE		0.062	0.31	0.002	0.026	2.5	0.75	68	19.4	3.90	65	7.93	2

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	DRP mg/L	TP mg/L
P-1	D5/06/8D	135	4.0	16.2	0.003	0.006
P-2	D5/06/8D	140	4.0	17.2	0.004	0.008
AVERAGE		138	4.0	16.7	D.004	D.007

WATERBODY: RED ROCK LAKE      LATITUDE: 47°43'  
 TOWNSHIP: 3D / XX      LONGITUDE: 84°48'  
 PROGRAM: MISCELLANEOUS LAKES      SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	D9/10/8D	9.45	7.059	52

WATERBODY: SADDLE LAKE      LATITUDE: 46°57'  
 TOWNSHIP: 22 - XI      LONGITUDE: 83°47'  
 PROGRAM: MISCELLANEOUS LAKES

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	28/D8/8D	4.3D	6.466	31

WATERBODY: SPANISH RIVER  
 TOWNSHIP:  
 PROGRAM: SPECIAL SURVEY

LATITUDE:  
 LONGITUDE:  
 SAMPLE TYPE: GRAB SAMPLE  
 RUN: A  
 DATE: 25/06/80

Station	pH	COND. umho/cm	TURB FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	CAL. DIS SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	DRP mg/L
SR(-2)A	7.32	100	1.7	67	2	1	65	0.048	0.40	0.007	0.168	0.009	0.001
SR(-4)A	7.37	38	0.95	27	2	1	25	0.008	0.19	0.002	0.023	0.005	0.001
SR4A	6.80	105	1.4	71	3	2	68	0.002	0.41	0.008	0.132	0.018	0.001
SR10A	6.82	105	1.9	71	3	2	68	0.004	0.35	0.007	0.128	0.015	0.001
SR16A	6.50	105	2.0	72	4	2	68	0.002	0.35	0.006	0.124	0.015	0.001
SR22A	6.91	105	1.8	73	5	2	68	0.006	0.33	0.007	0.143	0.012	0.001
SR27A	6.82	105	1.8	71	3	2	68	0.004	0.35	0.007	0.128	0.014	0.001
SR34A	6.85	100	1.7	68	3	2	65	0.006	0.37	0.007	0.113	0.013	0.001
SR40A	6.98	100	2.1	68	3	2	65	0.012	0.40	0.006	0.129	0.014	0.001
SR46A	6.86	105	1.8	70	2	2	68	0.008	0.38	0.007	0.118	0.012	0.002
SR50A	6.96	100	1.6	68	3	2	65	0.006	0.30	0.005	0.105	0.009	0.001
A.S.R A	7.40	140	1.7	94	3	1	91	0.084	0.48	0.010	0.240	0.014	0.001

Station	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L
SR(-2)A	0.6	16	5.2	3.1	4.05		24.0	9.6
SR(-4)A	0.2	10	4.1	1.0	0.70		8.0	3.4
SR4A	1.2	32	7.0	5.8	7.70		22.0	8.8
SR10A	1.2	24	6.5	5.3	6.80		22.5	9.0
SR16A	1.2	24	6.6	6.3	6.75		24.5	8.6
SR22A	1.2	<10	6.6	6.3	6.90		22.0	9.0
SR27A	1.4	20	6.6	6.2	6.90		21.5	8.4
SR34A	1.0	20	6.4	6.1	6.70		20.0	8.2
SR40A	0.8	10	6.1	5.4	6.10		21.5	8.2
SR46A	0.8	20	6.6	6.6	7.05		22.0	8.8
SR50A	0.8	16	6.5	5.5	6.25		21.0	8.2
A.S.R A	0.6	16	5.5	5.3	6.05		35.5	11.6

WATERBODY: SPANISH RIVER  
TOWNSHIP:  
PROGRAM: SPECIAL SURVEY

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: SURFACE GRAB  
RUN: B  
DATE: 25/06/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	Cal. Dis SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L
SR(-2)B	7.26	100	1.4	67	2	1	65	0.048	0.37	0.007	0.168	0.012
SR(-6)B	7.27	100	1.7	67	2	1	65	0.068	0.42	0.008	0.187	0.014
Station	REACTIVE P mg/L	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L			
SR(-2)B	0.001	0.6	10	5.3	3.7	3.95		25.0	8.8			
SR(-6)B	0.001	0.6	18	5.4	4.3	4.50		26.0	9.4			

WATERBODY: SPANISH RIVER  
TOWNSHIP:  
PROGRAM: SPECIAL SURVEY

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: SURFACE GRAB  
RUN: C  
DATE: 25/06/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	CAL. Dis SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L
SR(-2)C	7.19	95	1.5	64	2	1	62	0.046	0.32	0.007	0.158	0.005
SR(-6)C	7.25	105	1.8	70	2	1	68	0.060	0.35	0.008	0.182	0.008
Station	REACTIVE P mg/L	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	NA mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L			
SR(-2)C	<0.001	0.6	20	5.3	3.9	3.80		24.5	9.0			
SR(-6)C	<0.001	0.8	10	5.3	4.3	4.25		26.5	10.4			

WATERBODY: SPANISH RIVER  
TOWNSHIP:  
PROGRAM: SPECIAL SURVEY

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: SURFACE GRAB  
RUN: C  
DATE: 25/06/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	Cal. Dis SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L
GCEM	7.32	600	1.9	364	2	2	362	0.022	0.22	0.005	1.64	0.034
SR4M	6.92	110	1.8	78	6	3	72	0.008	0.35	0.007	0.143	0.032
Station	REACTIVE P mg/L	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L			
GCEM	0.004	0.4	96	2.4	64	8.00		60.5	39.0			
SR4M	0.002	1.6	40	6.9	6.2	7.90		22.0	8.8			

WATERBODY: SPANISH RIVER  
TOWNSHIP:  
PROGRAM: SPECIAL SURVEYS

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: SURFACE GRAB  
RUN: D  
DATE: 25/06/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	Cal. Dis SOLID mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L
SR(-2)D	7.2	95	1.7	64	2	1	62	0.046	0.40	0.007	0.158	0.009
Station	REACTIVE P mg/L	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L			
SR(-2)D	<.001	0.8	12	5.3	3.9	3.80		24.5	9.6			



WATERBODY: SPANISH RIVER  
TOWNSHIP:  
PROGRAM: SPECIAL SURVEYS

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: SURFACE GRAB  
RUN: E  
DATE: 25/06/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	Cal. Dis. SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL p mg/L	DRP mg/L
SR(-6)E	7.27	115	1.8	68	3	1	75	0.066	0.40	0.008	0.208	0.008	<0.001
SR4E	7.24	105	1.7	73	5	2	68	0.028	0.39	0.006	0.139	0.015	<0.001
SR10E	6.95	95	1.8	66	4	<1	62	0.006	0.36	0.134	0.134	0.014	<0.001
S.T.P. E	6.77	255	2.1	197	31	26	166	9.60	13.5	0.019	0.001	2.35	1.58
SR16E	7.01	105	2.2	69	1	1	68	0.022	0.45	0.008	0.142	0.021	0.010
SR22E	7.01	105	1.8	72	4	2	68	0.082	0.38	0.008	0.132	0.016	0.006
SR27E	6.91	105	2.4	72	4	2	68	0.024	0.35	0.007	0.128	0.008	0.001
ASRE	7.12	39	1.5	27	2	1	25	0.018	0.23	0.002	0.033	0.006	0.001
SR34E	6.93	95	2.1	66	4	2	62	0.070	0.36	0.007	0.113	0.010	0.001
SR40E	6.92	95	2.0	65	3	2	62	0.030	0.36	0.007	0.103	0.012	0.001
SR46E	6.93	105	1.8	71	3	2	68	0.026	0.38	0.007	0.113	0.015	<0.001
SR50E	6.98	100	1.9	68	3	2	65	0.26	0.35	0.007	0.163	0.008	<0.001

Station	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L
SR(-6)E	0.8	10	5.2	5.0	4.95		29.0	11.0
SR4E	2.0	30	6.7	6.9	6.70		21.5	9.2
SR10E	1.4	96	6.5	5.4	6.05		20.5	8.2
S.T.P. E	42.0	110	17.6	17.0	22.50		28.0	10.6
SR16E	1.8	28	7.2	6.6	6.85		22.0	10.2
SA22E	1.8	22	6.8	6.4	7.95		22.0	10.8
SR27E	1.6	28	6.6	6.2	6.60		23.5	9.6
ASRE	0.8	12	3.8	1.2	0.70		8.0	4.0
SR34E	1.4	26	6.4	6.1	6.25		20.0	9.2
SR40E	1.2	24	6.4	6.1	6.45		20.5	8.0
SR46E	1.2	26	6.4	6.4	7.00		22.0	8.6
SR50E	1.2	22	6.0	5.8	6.15		22.5	8.4

WATERBODY: SPANISH RIVER  
TOWNSHIP:  
PROGRAM: SPECIAL SURVEYS

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: SURFACE GRAB  
RUN: A  
DATE: 29/07/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S. mg/L	Cal. Dis. SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	DRP mg/L
SR(-2)A	7.20	90	0.65	60	1	1		0.016	0.38	0.005	0.075	0.009	0.001
S.T.P.A	6.81	405	36.0	336	73		263	19.4	28.6	0.013	0.005	4.84	4.00
SR4A	7.26	105	1.30	70	2		68	0.030	0.31	0.005	0.065	0.021	0.002
SR10A	6.94	100	0.95	67	2		65	0.142	0.33	0.006	0.064	0.017	0.016
SR16A	1.94	110	1.00	74	2	2		0.016	0.27	0.006	0.084	0.015	0.001
SR22A	6.93	100	1.50	68	3	1		0.018	0.30	0.005	0.065	0.018	0.001
SR27A	7.08	110	1.50	75	3	2		0.020	0.32	0.008	0.047	0.018	0.001
ASRA	7.42	41	0.65	27	<1		27	0.024	0.23	0.003	0.012	0.004	0.003
SR34A	7.14	115	1.80	81	6		75	0.062	0.40	0.008	0.028	0.023	0.003
SR40A	6.83	100	2.00	69	4		65	0.042	0.34	0.007	0.028	0.016	0.003
SR46A	6.79	95	2.00	66	4	2		0.038	0.37	0.008	0.027	0.019	0.001
SR50A	6.89	90	1.80	62	3	1		0.026	0.35	0.007	0.028	0.019	0.001
Station	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L					
SR(-2)A	1.2	18		3.5	3.25	4.6	21.0	9.0					
S.T.P.A	100.0	161	32.6	33.0	27.0		45.0	12.0					
SR4A	1.4	20	5.3	5.3	4.85		18.5	9.8					
SR10A	1.2	16	5.2	5.4	4.95		8.5	8.8					
SR16A	1.2	10		4.8	4.75	5.3	22.0	9.2					
SR22A	0.8	10		5.3	4.75	5.4	20.0	9.0					
SR27A	1.0	24		6.7	5.90	6.0	20.5	10.2					
ASRA	0.6	10	3.4	1.0	2.25		8.5	4.2					
SR34A	1.2	16	6.1	7.5	7.30		20.0	10.2					
SR40A	1.2	40	5.9	6.1	7.15		18.5	8.6					
SR46A	1.2	20		5.8	7.0	6.2	17.5	8.2					
SR50A	1.2	38		5.6	6.3	6.2	16.5	7.8					

WATERBODY: SPANISH RIVER  
 TOWNSHIP:  
 PROGRAM: SPECIAL SURVEY  
 LATITUDE:  
 LONGITUDE:  
 SAMPLE TYPE: SURFACE GRAB  
 RUN: A  
 DATE: 30/07/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	Cal. Dis. SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	DRP mg/L
SR(-2)A	7.22	95	0.80	63	1	1		0.016	0.31	0.002	0.018	0.011	<0.001
S.T.P.A	6.79	305	18.0	223	25	19		13.2	21.8	0.007	0.003	3.28	2.70
SR4A	6.98	85	1.0	57	2	2		0.012	0.43	0.004	0.076	0.025	0.002
SR10A	6.87	80	1.4	57	5	2		0.070	0.29	0.004	0.066	0.020	0.004
SR16A	6.95	85	1.2	58	3	2		0.002	0.31	0.005	0.065	0.021	0.001
SR22A	6.95	105	1.5	74	6	1		0.004	0.29	0.006	0.076	0.024	0.001
SR27A	6.88	100	1.9	69	4	4		0.010	0.33	0.006	0.074	0.026	<0.001
ASRA	7.59	43	0.75	29	1	1		0.016	0.23	0.002	0.013	0.011	0.001
SR34A	6.94	100	1.7	69	4	1		0.034	0.38	0.005	0.060	0.024	0.001
SR40A	7.07	110	1.9	76	4	2		0.030	0.35	0.007	0.033	0.037	<0.001
SR50A	6.89	100	1.7	68	3	1		0.016	0.33	0.004	0.081	0.023	<0.001

Station	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L
SR(-2)A	0.8	<10	4.5	3.4	3.40		22.0	8.6
S.T.P.A	42	100	15.1	20.0	21.5		16.5	10.4
SR4A	1.8	10	5.5	4.6	3.60		16.5	7.2
SR10A	1.2	14	5.2	4.3	3.50		16.0	7.6
SR16A	1.2	14	5.2	8.0	3.75		16.0	4.8
SR22A	1.2	14	5.3	9.4	4.55		19.0	5.4
SR27A	1.2	14	5.2	9.0	4.80		21.0	5.7
ASRA	0.6	<10		1.5	0.65	3.6	8.0	4.2
SR34A	1.0	16		4.9	4.45	5.1	18.5	8.6
SR40A	1.0	14		6.7	5.95	6.0	18.5	9.4
SR50A	1.2	30	6.0	6.0	6.85		18.0	8.4



WATERBODY: SPANISH RIVER  
TOWNSHIP:  
PROGRAM: SPECIAL SURVEY

LATITUDE:  
LONGITUDE:  
SAMPLE TYPE: SURFACE GRAB  
RUN: A  
DATE: 28/08/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	Ca1. Dis. SOLID mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	DRP mg/L
SR(-6)A	7.08	115	0.7	80	5	1	75	0.022	0.36	0.007	0.138	0.015	0.002
SR(-2)A	6.99	105	1.1	75	7	2	68	0.030	0.55	0.005	0.120	0.040	0.002
S.T.P.A	6.69	430	20.5	327	47	40	280	21.6	29.2	0.016	<0.005	5.50	4.40
SR4A	6.79	160	1.8	109	5	4	104	0.016	0.54	0.013	0.082	0.053	0.002
SR10A	6.75	140	2.2	96	5	3	91	0.114	0.39	0.013	0.027	0.033	0.039
SR16A	6.89	130	1.8	90	5	3	85	0.006	0.37	0.009	0.021	0.023	0.001
SR22A	6.91	135	2.3	93	5	5	88	0.024	0.43	0.009	0.011	0.026	0.001
SR27A	6.81	145	2.2	99	5	3	94	0.012	0.43	0.010	<0.005	0.028	0.001
SR34A	5.89	130	1.5	88	3	2	85	0.056	0.38	0.005	0.010	0.026	0.006
SR40A	6.74	120	1.9	79	1	<1	78	0.046	0.38	0.008	0.012	0.025	0.004
SR46A	6.78	118	1.8	80	3	3	77	0.042	0.36	0.009	0.026	0.020	<0.001

Station	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L
SR(-6)A	1.4	14	4.7	4.8	4.40		25.0	10.6
SR(-2)A	1.4	<10	4.9	4.0	4.10		22.5	9.4
S.T.P.A	75	190	28.2	39.0	31.50		39.5	11.4
SR4A	4.2	22	9.1	16.0	15.50		24.0	12.2
SR10A	2.6	32	7.5	10.0	13.00		23.0	10.8
SR16A	2.4	12	6.8	9.6	10.50		21.0	10.4
SR22A	2.2	<10	7.7	10.0	11.50		20.0	10.8
SR27A	1.8	16	8.4	13.0	13.00		21.0	11.0
SR34A	2.2	14	8.0	10.0	12.50		18.0	11.0
SR40A	1.6	14	7.6	8.9	10.00		17.5	10.0
SR46A	1.4	18	7.4	8.4	9.30		18.5	9.8

WATERBODY: SPANISH RIVER  
 TOWNSHIP:  
 PROGRAM: SPECIAL SURVEY  
 LATITUDE:  
 LONGITUDE:  
 SAMPLE TYPE: SURFACE GRAB  
 RUN: B  
 DATE: 28/08/80

Station	pH	COND. umho/cm	TURB. FOR. U.	TOTAL SOLIDS mg/L	SUSP. SOLIDS mg/L	V.S.S mg/L	Ca1. Dis. SOLIDS mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	DRP mg/L
SR(-6)B	7.07	110	1.0	76	4	1	72	0.018	0.36	0.005	0.125	0.031	0.001
SR(-2)B	7.02	105	0.9	80	11	5	69	0.028	0.34	0.005	0.115	0.011	0.001
S.T.P.B	6.83	555	21.0	266	35	32	231	11.7	19.0	0.015	<0.005	4.31	3.55
SR4B	6.69	160	1.8	105	1	1	104	0.012	0.44	0.012	0.078	0.040	0.013
SR10B	6.80	140	2.1	94	3	2	91	0.074	0.45	0.013	0.057	0.026	0.012
SR16B	6.86	135	2.0	93	5	2	88	0.002	0.40	0.011	0.034	0.026	0.003
SR22B	6.94	135	2.3	94	6	2	88	0.024	0.42	0.011	0.014	0.028	0.004
SR27B	6.97	140	2.3	95	4	3	91	0.028	0.43	0.011	0.009	0.026	0.001
SR34B	7.07	135	1.8	92	4	2	88	0.046	0.40	0.006	0.004	0.024	0.002
SR40B	6.81	125	1.6	85	4	2	81	0.036	0.42	0.008	0.007	0.021	0.001
SR46B	6.95	120	1.7	81	3	2	78	0.032	0.35	0.009	0.016	0.016	0.001
Station	BOD <sub>5</sub> mg/L	COD mg/L	TOC mg/L	Na mg/L	Cl mg/L	DOC mg/L	SO <sub>4</sub> mg/L	Ca mg/L					
SR(-6)B	0.8	<10	4.6	4.8	4.35		25.5	10.6					
SR(-2)B	1.2	17	4.6	3.9	3.85		22.5	9.8					
S.T.P.B	65.0	190	26.8	38.0	29.5		37.5	11.6					
SR4B	4.8	28	8.6	15.0	14.5		25.0	12.2					
SR10B	3.0	12	7.5	11.0	12.0		23.5	11.6					
SR16B	2.6	24	7.2	10.0	11.5		21.0	10.8					
SR22B	2.4	22	7.1	10.0	11.5		20.5	11.2					
SR27B	2.8	28	8.0	13.0	12.5		20.5	11.4					
SR34B	1.8	20	7.9	11.0	12.5		19.0	10.8					
SR40B	1.2	18	7.7	8.3	10.5		18.0	9.8					
SR46B	1.2	10	7.3	9.3	9.5		18.0	10.0					

#### STATION DESCRIPTION & EXAMPLES

SR ..... Spanish River  
 SR 4 ..... 4 Km's downstream of E.B. Eddy Plant at Espanola  
 SR (-6) ..... 6 Km's upstream of E.B. Eddy Plant at Espanola  
 GCE ..... Golf Course effluent  
 A,B,C,D ..... Run number for that sample  
 A.S.R. .... Aux Sables River  
 S.T.P. .... Sewage Treatment Plant effluent

WATERBODY: SUMMIT LAKE  
 TOWNSHIP: 27 -XXVI  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 48°16'  
 LONGITUDE: 84°32'  
 SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	30/07/80	14.79	6.563	170

WATERBODY: WAWA LAKE  
 TOWNSHIP: MICHIPICOTEN  
 PROGRAM: TROPHIC STATUS

LATITUDE: 48°01'  
 LONGITUDE: 84°43'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	Color Haz. U.
WL-1	05/80	0.014	0.35	0.002	0.128	32.0	3.8	43	22	3.3	71	7.9	2
WL-1	06/80	0.003	0.15	0.002	0.038	32.5	4.1	43	21	3.7	63	8.1	4
WL-1	07/80	0.012	0.17	0.002	0.008	34.0	4.1	42	21	4.3	70		14
WL-1	10/80	0.020	0.18	0.001	0.019	33.5	3.9	43	22	4.4	72	7.3	1
WL-2	05/80	0.016	0.15	0.003	0.157	32.0	3.8	43	22	4.0	71	7.3	3
WL-2	06/80	0.008	0.14	0.002	0.038	32.0	4.1	44	22	3.9	71	8.2	2
WL-2	07/80	0.012	0.17	0.002	0.013	34.0	4.1	42	21	4.8	72		14
WL-2	10/80	0.014	0.18	0.001	0.014	33.5	4.0	43	22	4.5	73	7.7	1
WL-2B	05/80	0.022	0.23	0.003	0.062	32.0	3.8	43	22	4.0	68	7.7	1
WL-2B	06/80	0.002	0.15	0.002	0.043	32.5	4.1	43	22	4.0	71	8.1	1
WL-2B	07/80	0.016	0.21	0.002	0.013	33.5	4.1	43	21	4.3	72		14
WL-2B	10/80	0.024	0.20	0.001	0.079	33.5	4.0	43	22	4.4	73	7.4	1
WL-3	05/80	0.002	0.25	0.003	0.072	32.5	3.8	44	21	3.9	63	7.9	3
WL-3	06/80	0.003	0.16	0.002	0.038	32.5	4.1	44	22	3.9	71	8.1	1
WL-3	07/80	0.008	0.15	0.003	0.012	34.0	4.1	43	21	4.8	72		7
WL-3	10/80	0.014	0.15	0.001	0.014	33.5	4.0	43	22	4.4	72	7.9	1
WL-SS	05/80	0.022	0.16	0.002	0.063	32.0	3.9					8.2	
WL-SS	06/80	0.010	0.15	0.001	0.034	32.0	4.0					8.1	
WL-SS	07/80	0.008	0.16	0.002	0.008	32.5	4.1					8.2	
WL-SS	10/80	0.044	1.32	0.001	1.75	3.5	0.6	11	4.8	0.9	16	6.3	19
WL-IN	05/80	0.016	0.17	0.002	0.053	33.5	4.5					8.0	
WL-IN	06/80	0.012	0.15	0.002	0.028	36.5	6.7					8.2	
WL-IN	07/80	0.014	0.13	0.002	0.003	33.5	4.1					8.3	
WL-IN	10/80	0.012	0.21	0.001	0.129	74.5	9.2	33	21.4	11	99	7.3	13

Station	Date D/M/	COND. umho/cm	DOC mg/L	DIC mg/L
WL-1	05/80	170	2.1	10.6
WL-1	06/80	170	2.6	9.8
WL-1	07/80	170	2.3	10.0
WL-1	10/80	165	2.2	10.6

WATERBODY: WAWA LAKE  
TOWNSHIP: MICHIPICOTEN  
PROGRAM: TROPHIC STATUS

LATITUDE: 48°10'  
LONGITUDE: 84°43'  
SAMPLE TYPE: COMPOSITE

Station	Date M/Y/	COND. umho	DOC mg/L	DIC mg/L
WL-2	05/80	170	2.4	10.6
WL-2	06/80	170	2.6	9.8
WL-2	07/80	170	2.1	10.0
WL-2	10/80	170	2.1	10.2
WL-2B	05/80	170	2.4	10.4
WL-2B	06/80	170	2.6	9.8
WL-2B	07/80	170	2.2	10
WL-2B	10/80	165	2.0	10.6
WL-3	05/80	170	2.4	10.2
WL-3	06/80	170	2.7	10
WL-3	07/80	175	2.3	10
WL-3	10/80	170	2.1	10.2
WL-SS	05/80	170		
WL-SS	06/80	190		
WL-SS	07/80	170		
WL-SS	10/80	43	1.7	3.2
WL-IN	05/80	175		
WL-IN	06/80	190		
WL-IN	07/80	170		
WL-IN	10/80	245	4.3	7.3

WATERBODY: WAWA LAKE  
TOWNSHIP: MICHIPICOTEN  
PROGRAM: TROPHIC STATUS

LATITUDE: 48°01'  
LONGITUDE: 84°43'  
SAMPLE TYPE: COMPOSITE

Station	Date M/Y	TP mg/L	N mg/L	K mg/L	Fe mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L
WL-1	05/80	0.012	2.4	0.65	.02	<.01	<.02	.03	.02	.005	.02
WL-1	06/80	0.003	2.2	0.50	.02						
WL-1	07/80	0.013	2.4	0.70	.02						
WL-1	10/80	0.005	2.5	0.60	.07	.01	.02	.03	.01	.002	.05
WL-2	05/80	0.004	2.4	0.65	.02	.01	.02	.03	.02	.005	.02
WL-2	06/80	0.002	2.4	0.50	.02						
WL-2	07/80	0.004	2.4	0.70	.03						
WL-2	10/80	0.005	2.5	0.60	.02	.01	.02	.05	.01	.002	.03
WL-2B	05/80	0.003	2.5	0.60	.05						
WL-2B	06/80	0.005	2.2	0.45	.03						
WL-2B	07/80	0.003	2.3	0.70	.02						
WL-2B	10/80	0.015	2.4	0.60	.03						

## CONTINUED

WATERBODY: WAWA LAKE  
TOWNSHIP: MICHIPICOTEN  
PROGRAM: TROPHIC STATUS

LATITUDE: 48°01'  
LONGITUDE: 84°43'

Station	Date M/Y	TP mg/L	Na mg/L	K mg/L	Fe mg/L	Cu mg/L	Ni mg/L	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L
WL-3	05/80	0.006	2.6	0.65	.03	.01	.02	.03	.02	.005	.02
WL-3	06/80	0.002	2.3	0.45	.04						
WL-3	07/80	0.003	2.4	0.70	.02						
WL-3	10/80	0.005	2.5	0.55	.02	.01	.02	.03	.01	.002	.02
WL-SS	05/80	0.006			.03	.01	.02	.03	.01	.002	.02
WL-SS	06/80	0.002			.06						
WL-SS	07/80	0.003			.01						
WL-SS	10/80	0.072	1.0	0.80	1.9	.01	.04	.03	.09	.002	.76
WL-IN	05/80	0.005			.08	.01	.02	.03	.01	.005	.02
WL-IN	06/80	0.002			.09						
WL-IN	07/80	0.004			.04						
WL-IN	10/80	0.004	4.9	.35	.08	.01	.02	.05	.01	.002	.06



C O C H R A N E   D I S T R I C T

	<u>Page</u>
BIGWATER LAKE	2-1
BOB'S LAKE	2-1
COMMANDO LAKE	2-2
GREEN LAKE	2-2
HANLAN LAKE	2-3
HECTOR LAKE	2-4
LILLABELLE LAKE	2-4
MUNRO LAKE	2-5
MURDOCK CREEK	2-5
NELLIE LAKE	2-7
PERRY LAKE	2-8
PORCUPINE LAKE	2-8
PIVABISKA LAKE	2-9
REMI LAKE	2-10
SHALLOW LAKE	2-10
WOLVERINE LAKE	2-11





WATERBODY: BIGWATER LAKE  
 TOWNSHIP: MURPHY  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°37'  
 LONGITUDE: 81°18'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
B-1	14/05/80												
B-2	14/05/80	.046	.50	.004	.036	6.5	4.80	48	15.4	2.60	49	7.39	56
B-3	14/05/80	.030	.46	.005	.020	6.0	4.65	45	15.2	2.60	49	7.43	62
B-4	14/05/80												
AVERAGE		.038	.48	.005	.028	6.3	4.73	47	15.3	2.60	49	7.41	59
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
B-1	14/05/80						.021	.001					
B-2	14/05/80	120			10.4	10.8	.025	.001					
B-3	14/05/80	115			11.4	10.0	.019	.001					
B-4	14/05/80						.020	.001					
AVERAGE		118			10.9	10.4	.021	.001					

WATERBODY: BOB'S LAKE  
 TOWNSHIP: WHITNEY  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°30'  
 LONGITUDE: 81°09'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
B-1	14/05/80	0.080	0.62	0.003	< 0.005	8.0	26.5	90	29	7.0	101	7.89	36
B-2	14/05/80												
B-3	14/05/80	0.090	0.57	0.003	< 0.005	8.5	27.5	92	34	6.5	112	7.91	36
B-4	14/05/80												
AVERAGE		0.085	0.60	0.003	< 0.005	8.3	27.0	91	32	6.8	107	7.90	36
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
B-1	14/05/80	270			9.6	22.0	.046	.003					
B-2	14/05/80	275					.020	.003					
B-3	14/05/80	275			9.2	21.8	.028	.004					
B-4	14/05/80						.036	.005					
AVERAGE		273			9.4	21.9	.033	.004					

WATERBODY: COMMANDO LAKE  
TOWNSHIP: GLACKMEYER  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°04'  
LONGITUDE: 81°01'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
C-1	29/05/80	0.038	0.30	0.001	< 0.005	6.0	88.5	93	38	3.20	108	8.22	10
C-2	29/05/80	0.060	0.35	0.001	< 0.005	6.5	91.0	93	37	3.20	106	8.28	7
C-3	29/05/80	0.050	0.39	0.001	< 0.005	6.5	91.0	99	39	3.85	113	8.20	6
C-4	29/05/80	0.066	0.39	0.001	0.004	6.4	93.0	100	35	3.85	103	8.08	4
AVERAGE	29/05/80	0.054	0.36	0.001	0.005	6.4	90.9	96	37	3.53	108	8.20	7
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
C-1	29/05/80	470			3.3	22.0	0.017	0.002	49	2.60	0.11		
C-2	29/05/80	465			3.3	21.8	0.020	0.006	50	2.55	0.06		
C-3	29/05/80	490			3.2	23.4	0.013	0.003	53	2.55	0.05		
C-4	29/05/80	500			3.2	23.8	0.020	0.002	54	2.60	0.06		
AVERAGE		481			3.3	22.8	0.018	0.002	52	2.58	0.07		

WATERBODY: GREEN LAKE  
TOWNSHIP: COLQUHOUN  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°12'  
LONGITUDE: 81°17'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
G-1	05/06/80	0.014	0.16	0.001	0.004	2.0	0.25	60	16.4	3.30	55	8.12	0.1
G-2	05/06/80	0.010	0.15	0.001	0.004	2.0	0.25	60	17.6	3.25	57	8.15	0.1
AVERAGE		0.012	0.16	0.001	0.004	2.0	0.25	60	17.0	3.28	56	8.14	0.1
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
G-1	05/06/80	120	2.0	14.8			0.004	0.002					
G-2	05/06/80	120	2.0	14.8			0.003	0.001					
AVERAGE		120	2.0	14.8			0.004	0.002					

WATERBODY: HANLAN LAKE  
TOWNSHIP: HANLAN & BANNERMAN  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°50'  
LONGITUDE: 83°48'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
H-1													
H-2		0.068	0.054	0.004	0.006	5.5	1.10	50	15.4	3.35	52	7.65	79
H-3													
H-4		0.064	0.059	0.005	0.025	5.5	1.10	50	16.0	3.40	54	7.67	86
AVERAGE		0.066	0.057	0.005	0.016	5.5	1.10	50	15.7	3.38	53	7.66	83

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
H-1							0.014	0.001					
H-2		105	15.0	11.2			0.014	0.005					
H-3							0.015	0.002					
H-4		105	15.0	11.2			0.021	0.003					
H-5		105	15.0	11.2			0.016	0.003					

WATERBODY: HANLAN LAKE  
TOWNSHIP: HANLAN & BANNERMAN  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 49°50'  
LONGITUDE: 83°48'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
04/06/80													
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
04/06/80										45.77			

WATERBODY: HECTOR LAKE  
TOWNSHIP: LAMARCHE  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°03'  
LONGITUDE: 81°01'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
B-1	06/06/80	0.066	0.43	0.010	<0.005								
B-2	06/06/80	0.066	0.52	0.010	<0.005								
AVERAGE		0.066	0.48	0.010	<0.005								

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
B-1	06/06/80						0.029	
B-2	06/06/80						0.30	
B-3	06/06/80						0.30	

WATERBODY: LILLABELLE LAKE  
TOWNSHIP: GLACKMEYER  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°06'  
LONGITUDE: 81°02'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH units	COLOR Haz. U.
L-1	06/06/80												
L-2	06/06/80	0.440	1.52	0.005	<0.005	9.0	7.45	119	32	7.0	109	8.96	48
L-3	06/06/80												
L-4	06/06/80	0.284	0.92	0.005	<0.005	11.0	9.40	128	36	8.0	123	8.72	51
AVERAGE		0.362	1.22	0.005	<0.005	10.0	8.43	124	34	7.5	116	8.84	50

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
L-1	06/06/80						0.108	0.021
L-2	06/06/80	255	9.2	26.4			0.141	0.025
L-3	06/06/80						0.127	0.044
L-4	06/06/80	280	9.6	29.8			0.260	0.170
AVERAGE		268	9.4	28.1			0.159	0.065

WATERBODY: MUNRO LAKE      LATITUDE: 48°35'  
 TOWNSHIP: MUNRO      LONGITUDE: 80°09'  
 PROGRAM: SPRING PHOSPHORUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
---------	---------------	-------------------------	-------------	-------------------------	-------------------------	-------------------------	------------	-------------	------------	------------	--------------	----	------------------

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
M-1	23/05/80						0.007	<0.001
M-2	23/05/80						0.008	<0.001
M-3	23/05/80						0.006	<0.001
M-4	23/05/80						0.006	<0.001
M-5	23/05/80						0.006	<0.001
M-6	23/05/80						0.005	0.003

WATERBODY: MURDOCK CREEK      LATITUDE:  
 TOWNSHIP: KIRKLAND LAKE      LONGITUDE:  
 PROGRAM: SPECIAL STUDIES      SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	TIME	COND. umho/L	D.O. mg/L	TEMP. DEGREES CELCIUS	EST. FLOW cfs mg/L	TURB. FOR. U.	B.O.D mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TP mg/L
M-1	17/06/80	9:25	320	8.7	12.8		15.0	1.6	1.3	3.12	.002	2.75	1.01
M-1	13/08/80	12:45	395	7.0	18.5		5.1	1.0	4.6	6.40	.013	1.59	
M-1	17/06/80	9:41	340	8.4	13.0		7.8		1.7	3.21	.003	2.65	.095
M-2	13/08/80	13:10	385	7.1	19.0		9.4	0.8	3.34	4.62	.018	1.48	
M-2	17/06/80	10:00		7.0	13.0								
M2-1	17/06/80	10:15		4.7	13.2								
M2-2	17/06/80	10:30		3.9	14.3								
M2-3	17/06/80	10:35	345	3.5	15.0		7.7	5.2	3.4	4.78	2.10	1.04	.969
M-3	13/08/80	12:00	390	2.3	18.0		5.7	1.2	5.7	5.56	.680	.247	
M3-1	17/06/80	10:45		2.2	14.8								
M3-2	17/06/80	11:00		2.6	14.4								
M3-3	17/06/80			3.5	14.0								
BELOW 50' RAPIDS	17/06/80	11:31		4.8	14.0								
M-4	17/06/80	12:09		6.3	15.3		7.9	5.8	1.99	3.0	.110	1.14	.548
M-4	13/08/80	13:40		5.0, 5.2	17.0, 18.0		5.5	5.0	4.1	5.14	.230	.580	
M-4	17/06/80	12:35		6.6	15.0								



WATERBODY: MURDOCK CREEK  
 TOWNSHIP: KIRKLAND LAKE  
 PROGRAM: SPECIAL STUDIES

LATITUDE:  
 LONGITUDE:  
 SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	TIME	COND. umho/L	D.O. mg/L	TEMP. DEGREES CELCIUS	EST. FLOW cfs mg/L	TURB. FOR. U.	B.O.D. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TP mg/L
M-5	13/08/80	13:50	375	5.2	17.0		5.2	4.4	3.8	4.98	.30	1.10	
M-5	17/06/80	12:50	125	9.2	13.5		2.6	0.6	.056	0.51	.006	.039	.032
RAND CR.	13/08/80	12:05		8.1	15.5	0.5-1.0							
RAND AVE.	13/08/80	12:14	335	10.6	17.0		1.0		.182	0.65	.013	.117	
ALLAN ST.	13/08/80	11:50	385	10.4	18.0	0.5	3.6	0.6	0.38	0.43	.007	.098	
ALLAN ST.	17/06/80		265				3.2	0.8	.106	.52	.008	.122	.060
EARL ST.	13/08/80		195				5.2	0.8	.016	.62	.004	.001	
DUNFIELD ST.	17/06/80	13:10	550	13.6	14.5		5.2		.008	0.33	.006	.029	.018
UP-STREAM STP.	13/08/80	15:00				0.73							
DOWN-STREAM STP.	13/08/80	16:00				3.03							
DOWN-STREAM STP.	17/06/80		455				5.0	4.8	8.1	10.3	.075	3.97	2.88
Station	Date D/M/Y	DRP mg/L	So1. P mg/L	TS mg/L	SS mg/L	SO <sub>4</sub> mg/L	Cl mg/L	Ni mg/L	Cu mg/L	Cr mg/L	Pb mg/L	As mg/L	Fe mg/L
M-1	17/06/80		0.50			22	37.0						
M-1	13/08/80	1.60		268	11	30	39.5						
M-1	17/06/80		.540			24	40.5						
M-2	13/08/80	.830		270	20	27.5	39.5						
M-2	17/06/80												
M2-1	17/06/80												
M2-2	17/06/80												
M2-3	17/06/80												
M-3	17/06/80		.630			29.0	34.0	<.02	<.02	<.02	<.03	.001	1.3
M-3	13/08/80	1.10		264	10	31.0	37.0						
M-3	17/06/80												
M3-1	17/06/80												
M3-2	17/06/80												
M3-3	17/06/80												
BELOW 50' RAPIDS	17/06/80												
BELOW 50' RAPIDS	17/06/80		.275			21.0	30.0	<.02	.01	<.02	<.03	.002	.91
M-4	13/08/80	.950		246	9	27.5	36.5						
M-4	17/06/80												

WATERBODY: MURDOCK CREEK  
 TOWNSHIP: KIRKLAND LAKE  
 PROGRAM: SPECIAL STUDIES

LATITUDE:  
 LONGITUDE:  
 SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	DRP mg/L	So1. P mg/L	TS mg/L	SS mg/L	SO <sub>4</sub> mg/L	Cl mg/L	Ni mg/L	Cu mg/L	Cr mg/L	Pb mg/L	As mg/L	Fe mg/L
M-5	13/08/80	.860		249	5	27.0	38.5						
M-5	17/06/80		.012			11.0	2.45	< .02	< .01	< .02	< .03	< .001	0.72
RAND CR.	13/08/80												
RAND AVE.	13/08/80	.046		221	3	22	33.5						
ALLAN ST.	13/08/80	.002		257	7	25.5	40.0						
ALLAN ST.	17/06/80		.031			14.0	28.0	< .02	.02	< .02	< .03	< .001	0.72
EARL ST.	13/08/80	.005		130	3	6	0.9						
DUNFIELD ST.	17/06/80		.002			34.5	64.0						
UPSTREAM STP	13/08/80												
DOWNSTREAM STP	13/08/80												
STP	17/06/80		2.10			32.0	47.0	< .02	.05	< .02	< .03	.001	.41

WATERBODY: NELLIE LAKE  
 TOWNSHIP: CALVERT  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°48'  
 LONGITUDE: 80°48'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
N-1	06/06/80												
N-2	06/06/80	0.020	0.30	0.010	<0.005	4.0	0.35	24	8.6	1.35	27	7.84	11
N-3	06/06/80												
N-4	06/06/80	0.020	0.28	0.010	<0.005	4.0	0.40	23	8.2	1.25	26	7.79	7
AVERAGE		0.020	0.29	0.010	<0.005	4.0	0.38	24	8.4	1.30	27	7.82	9
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
N-1	06/06/80						0.005	0.001					
N-2	06/06/80	60	5.4	5.6			0.006	0.001					
N-3	06/06/80						0.008	0.001					
N-4	06/06/80	55	5.3	5.6			0.007	0.001					
AVERAGE		58	5.4	5.6			0.007	0.001					

WATERBODY: PERRY LAKE  
 TOWNSHIP: MICHAUD  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°32'  
 LONGITUDE: 80°06'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
---------	---------------	-------------------------	-------------	-------------------------	-------------------------	-------------------------	------------	-------------	------------	------------	--------------	----	------------------

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
P-1	23/05/80						0.010	0.001
P-2	23/05/80						0.010	0.002
P-3	23/05/80						0.038	0.001
AVERAGE							0.019	0.001

WATERBODY: PORCUPINE LAKE  
 TOWNSHIP: WHITNEY  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°29'  
 LONGITUDE: 81°11'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
P-1	14/05/80												
P-2	14/05/80	0.228	0.73	0.019	0.346	135	20.0	83	53	3.00	198	7.85	50
P-3	14/05/80	0.228	0.80	0.018	0.342	130	20.0	83	52	16.0	196	7.47	50
P-4	14/05/80												
P-5	14/05/80												
P-6	14/05/80												
P-7	14/05/80	0.218	0.82	0.016	0.344	<A.	19.5	81	58	16.0	211	7.48	51
P-8	14/05/80	0.210	0.83	0.016	0.339	130	20.0	81		16.0	196	7.49	49
AVERAGE		0.221	0.80	0.017	0.343	132	19.9	82	54	12.8	200	7.57	50

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
P-1	14/05/80						0.038	0.003
P-2	14/05/80	475	8.6	19.0			0.035	0.002
P-3	14/05/80	470	8.2	19.0			0.035	0.003
P-4	14/05/80						0.036	0.002
P-5	14/05/80						0.035	0.003
P-6	14/05/80						0.033	0.002
P-7	14/05/80	470	8.2	18.6			0.034	0.003
P-8	14/05/80	465	8.6	18.6			0.059	0.001
AVERAGE		470	8.4	18.8			0.030	0.002



WATERBODY: PIVABISKA LAKE  
 TOWNSHIP: CASGRAIN  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°47'  
 LONGITUDE: 83°39'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
P-1	04/06/80												
P-2	04/06/80	.052	0.49	0.003	0.007	5.0	0.95	53	16.4	3.45	55	7.69	77
P-3	04/06/80												
P-4	04/06/80	.042	0.54	0.003	0.002	5.0	0.85	53	18.2	3.70	58	7.73	65
AVERAGE		.047	0.52	0.003	0.005	5.0	0.90	56	17.3	3.58	58	7.71	71

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
P-1	04/06/80						0.013	0.001
P-2	04/06/80	110	14.2	12.2			0.026	0.003
P-3	04/06/80						0.019	0.002
P-4	04/06/80	120	13.2	13.2			0.017	0.002
AVERAGE		115	13.7	12.7			0.019	0.002

WATERBODY: PIVABISKA LAKE  
 TOWNSHIP: HANLAN  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 49°49'  
 LONGITUDE: 83°43'

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	04/06/80											7.70	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	04/06/80	115							55.14

WATERBODY: REMI LAKE  
TOWNSHIP: FAUQUIER  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°25'  
LONGITUDE: 82°08'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
R-1	03/06/80	0.058	0.52	0.002	0.008	5.5	1.75	79	23	4.60	76	7.97	16
R-2	03/06/80	0.054	0.41	0.002	0.008	5.5	1.90	78	23	4.60	76	8.01	16
R-3	03/06/80	0.054	0.40	0.002	0.008	5.5	1.85	78	23	4.55	76	8.02	25
R-4	03/06/80	0.050	0.42	0.002	0.003	5.5	1.85	77	23	4.55	76	8.03	
AVERAGE		0.054	0.44	0.002	0.007	5.5	1.84	78	23	4.58	76	8.01	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
R-1	03/06/80	165	8.8	19.0			0.028	0.001
R-2	03/06/80	165	8.6	18.8			0.016	0.001
R-3	03/06/80	165					0.016	0.002
R-4	03/06/80						0.014	0.002
AVERAGE							0.019	0.002

WATERBODY: SHALLOW LAKE  
TOWNSHIP: EILBER  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°37'  
LONGITUDE: 83°17'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
S-1	05/06/80												
S-2	05/06/80												
S-3	05/06/80	0.050	0.50	0.001	<0.005	3.0	1.60	95	28	4.25	87	8.16	11
S-4	05/06/80												
AVERAGE		0.050	0.50	0.001	<0.005	3.0	1.6	95	28	4.25	87	8.16	11

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
S-1	5/06/80						0.012	0.001
S-2	05/06/80						0.011	0.002
S-3	05/06/80	185	6.0	22.4			0.028	0.001
S-4	05/06/80						0.011	0.001
AVERAGE		185	6.0	22.4			0.016	0.001

WATERBODY: WOLVERINE LAKE  
TOWNSHIP: HANLAN & BANNERMAN  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°50'  
LONGITUDE: 83°46'

SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
W-1		0.036	0.55	0.003	0.017	4.5	0.25	46	14.2	3.05	48	7.70	78
W-2													
W-3		0.054	0.64	0.003	0.007	5.0	0.90	54	17.0	3.50	57	7.62	80
W-4													
AVERAGE		0.045	0.60	0.003	0.012	4.8	0.58	50	15.6	3.28	53	7.66	79

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
W-1		95	13.6	10.2			0.012	0.001					
W-2							0.012	0.001					
W-3		110	14.8	12.2			0.017	0.002					
W-4							0.022	0.002					
AVERAGE		103	14.2	11.2			0.016	0.002					

WATERBODY: WOLVERINE LAKE  
TOWNSHIP: HANLAN & BANNERMAN  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 49°50'  
LONGITUDE: 83°46'

SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	04/06/80											7.52	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
	04/06/80	93							43.49				



MANITOULIN DISTRICT

KAGAWONG LAKE

Page

3-1

MANITOU LAKE

3-1

MINDEMOYA, LAKE

3-2

SILVER LAKE

3-2



WATERBODY: KAGAWONG LAKE  
 TOWNSHIP: BILLINGS  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 45°49'  
 LONGITUDE: 82°18'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
K-1	13/05/80												
K-2	13/05/80	0.020	0.31	0.002	<0.005	25.0	4.00	124	33	17.0	152	7.78	4
K-3	13/05/80												
K-4	13/05/80	0.022	0.31	0.001	<0.005	25.0	3.95	124	32	16.5	148	7.89	3
AVERAGE		0.021	0.31	0.002	<0.005	25.0	3.98	124	33	16.8	150	7.84	4

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
K-1	13/05/80						0.010	<0.001					
K-2	13/05/80	285	3.9	30.4			0.011	<0.001	1.5	0.80	0.03		
K-3	13/05/80						0.009	0.001					
K-4	13/05/80	290	3.9	30.4			0.009	0.001	1.6	0.85	0.02		
AVERAGE		288	3.9	30.4			0.010	0.001	1.6	0.83	0.03		

WATERBODY: MANITOU LAKE  
 TOWNSHIP: TEHKUMMAH  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 45°36'  
 LONGITUDE: 82°06'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	13/05/80												
M-2	13/05/80	0.008	0.22	0.002	0.003	21.0	3.60	117	32	15.5	144	8.00	3
M-3	13/05/80												
M-4	13/05/80	0.008	0.26	0.002	0.003	21.0	3.40	117	31	15.5	141	7.99	1
AVERAGE		0.008	0.24	0.002	0.003	21.0	3.50	117	32	15.5	143	8.00	2

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
M-1	13/05/80						0.005	0.001					
M-2	13/05/80	265	2.8	28.6			0.006	0.001	0.8	0.80	0.01		
M-3	13/05/80						0.009	0.001					
M-4	13/05/80	265	3.0	28.8			0.006	0.001	0.9	0.95	0.04		
AVERAGE		265	2.9	28.7			0.007	0.001	0.9	0.88	0.03		



WATERBODY: MINDEMOYA LAKE  
TOWNSHIP: CARNARVON  
PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 45045'  
LONGITUDE: 82013'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	13/05/80	0.028	0.29	0.002	<0.005	32.5	3.90	133	36	17.5	162	8.23	3
M-2	13/05/80												
M-3	13/05/80	0.026	0.31	0.002	<0.005	32.5	3.90	133	37	16.5	160	8.27	0.1
M-4	13/05/80												
AVERAGE		0.027	0.30	0.002	<0.005	32.5	3.90	133	37	17.0	161	8.25	1.6

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
M-1	13/05/80	315	3.2	32.0			0.007	0.001	1.4	0.95	0.03		
M-2	13/05/80						0.010	0.001					
M-3	13/05/80	315	3.3	32.2			0.009	0.001	1.6	0.95	0.05		
M-4	13/05/80						0.008	0.001					
AVERAGE		315	3.3	32.1			0.008	0.001	1.5	0.95	0.04		

WATERBODY: SILVER LAKE  
TOWNSHIP: ROBINSON  
PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 45053'  
LONGITUDE: 82054'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
S-1	13/05/80												
S-2	13/05/80	0.154	0.50	0.005	0.070	13.0	1.85	136	32	17.0	150	8.13	5
S-3	13/05/80												
S-4	13/05/80	0.154	0.44	0.004	0.071	13.0	1.85	136	31	17.5	149	8.15	4
AVERAGE		0.154	0.47	0.005	0.071	13.0	1.85	136	32	17.3	150	8.14	5

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
S-1	13/05/80						0.005	0.001					
S-2	13/05/80	275	2.9	32.8			0.014	0.001	0.8	0.35	0.05		
S-3	13/05/80						0.009	0.001					
S-4	13/05/80	275	2.8	32.8			0.006	0.001	0.7	0.35	0.02		
AVERAGE		275	2.9	32.8			0.009	0.001	0.8	0.35	0.04		



N I P I S S I N G D I S T R I C T

Page

BAIN LAKE	4-1
MUSKOSUNG LAKE	4-2
NIPISSING LAKE, N. W. ARM	4-3
NOSBONSING LAKE	4-3
PATTERSON LAKE	4-4
SAUSAGE LAKE	4-5
TALON LAKE	4-5
TEMAGAMI LAKE	4-6
TROUT LAKE	4-6



N I P I S S I N G D I S T R I C T

Page

BAIN LAKE	4-1
MUSKOSUNG LAKE	4-2
NIPISSING LAKE, N. W. ARM	4-3
NOSBONSING LAKE	4-3
PATTERSON LAKE	4-4
SAUSAGE LAKE	4-5
TALON LAKE	4-5
TEMAGAMI LAKE	4-6
TROUT LAKE	4-6



WATERBODY: BAIN LAKE      LATITUDE: 45°56'  
 TOWNSHIP: MILLS      LONGITUDE: 79°56'  
 PROGRAM: SPRING PHOSPHOROUS SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
B-1	14/05/80	0.024	0.24	0.002	0.063	8.5	1.05	8	4.0	1.00	14	6.64	10
B-2	14/05/80												
B-3	14/05/80	0.026	0.22	0.002	0.063	8.5	0.95	12	3.8	1.00	14	6.67	11
B-4	14/05/80												
AVERAGE		0.025	0.23	0.002	0.063	8.5	1.00	10	3.9	1.00	14	6.66	11
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
B-1	14/05/80	41	4.4	1.4			0.007	<0.001					
B-2	14/05/80						0.007	0.001					
B-3	14/05/80	41	4.4	1.0			0.006	0.001					
B-4	14/05/80						0.006	0.001					
AVERAGE		41	4.4	1.2			0.007	0.001					

WATERBODY: BAIN LAKE      LATITUDE: 45°56'  
 TOWNSHIP: MILLS      LONGITUDE: 79°56'  
 PROGRAM: MISCELLANEOUS LAKES      SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm									
	13/05/80	5.13	6.75	41.2									

WATERBODY: CHEER LAKE      LATITUDE: 45°47'  
 TOWNSHIP: CHAPMAN      LONGITUDE: 79°30'  
 PROGRAM: SPRING PHOSPHOROUS

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
C-1	06/05/80	0.028	0.25	0.002	0.038	7.5	0.30	4	2.2	0.40	7	5.53	19
C-2	06/05/80												
C-3	06/05/80	0.066	0.23	0.002	0.043	8.0	0.35	4	2.0	0.35	6	5.89	20
C-4	06/05/80												
AVERAGE		0.047	0.24	0.002	0.041	7.8	0.33	4	2.1	0.38	7	5.71	20

WATERBODY: MUSKOSUNG LAKE  
 TOWNSHIP: BADGEROW/FIELD  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 46°29'  
 LONGITUDE: 80°03'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	14/05/80												
M-2	14/05/80	0.050	0.33	0.003	0.007	9.0	0.40	19	5.8	1.40	20	7.39	24
M-3	14/05/80												
M-4	14/05/80	0.058	0.37	0.002	0.008	9.0	0.45	20	6.8	1.45	33	6.92	28
AVERAGE		0.054	0.35	0.003	0.008	9.0	0.43	20	6.3	1.43	27	7.16	26

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
M-1	14/05/80							
M-2	14/05/80	55	6.2	3.4			0.011	0.001
M-3	14/05/80						0.011	0.001
M-4	14/05/80	55	6.4	3.0			0.017	0.002
AVERAGE		55	6.3	3.2			0.013	0.001

WATERBODY: MUSKASUNG LAKE  
 TOWNSHIP: BADEROW/FIELD  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°29'  
 LONGITUDE: 80°03'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	TIP/ALK mg/L	pH	COND. umho/cm
	13/05/80	12.22	7.14	49.7

WATERBODY: NIPISSING LAKE N.W. ARM  
TOWNSHIP: McPHERSON  
PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 46°17'  
LONGITUDE: 80°00'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
N-1	09/05/80	0.126	0.83	0.003	0.002	11.5	2.30	29	8.6	2.95	34	7.12	75
N-2	09/05/80												
N-3	09/05/80												
N-4	09/05/80	0.110	0.77	0.003	0.002	11.0	2.60	33	8.6	3.05	34	7.19	60
N-5	09/05/80	0.076	0.56	0.002	0.003	10.0	2.45	30	8.2	2.85	32	7.25	54
N-6	09/05/80	0.070	0.62	0.002	0.003	9.5	2.30	27	7.6	2.55	29	7.25	43
AVERAGE		0.096	0.70	0.003	0.003	10.5	2.41	30	8.3	2.85	32	7.20	58
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	Na mg/L	K mg/L	Fe mg/L	TP mg/L	DRP mg/L		
N-1	09/05/80	90	10.8	7.4			2.5	1.25	0.52	0.052	0.003		
N-2	09/05/80									0.054	0.003		
N-3	09/05/80									0.054	0.003		
N-4	09/05/80	90	9.6	7.4			2.6	1.40	0.40	0.072	0.003		
N-5	09/05/80	90	8.5	7.0			2.3	1.30	0.30	0.053	0.002		
N-6	09/05/80	80	7.7	6.4			2.3	1.30	0.32	0.039	<0.001		
AVERAGE		88	9.2	7.1			2.4	1.31	0.39	0.054	0.003		

WATERBODY: NOSBONSING LAKE  
TOWNSHIP: EAST FERRIS  
PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 46°12'  
LONGITUDE: 79°13'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
N-1	19/05/80	0.092	0.46	0.004	0.016	8.5	1.35	16	5.4	1.45	19	7.08	29
N-2	19/05/80												
N-3	19/05/80												
N-4	19/05/80	0.062	0.38	0.003	0.042	7.5	1.45	16	5.6	1.40	20	7.10	25
N-5	19/05/80	0.100	0.51	0.002	0.003	7.5	3.10	18	5.2	1.50	19	7.10	20
N-6	19/05/80	0.104	0.56	0.002	0.003	7.5	3.95	15	5.0	1.55	19	7.05	19
AVERAGE		0.090	0.48	0.003	0.016	7.8	2.46	16	5.3	1.48	19	7.08	27
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	Na mg/L	K mg/L	Fe mg/L	TP mg/L	DRP mg/L		
N-1	19/05/80	55	4.7	4.0			1.7	1.35	0.25	0.022	0.002		
N-2	19/05/80									0.020	0.002		
N-3	19/05/80									0.019	0.001		
N-4	19/05/80	55	4.6	3.8			1.8	1.30	0.33	0.019	0.001		
N-5	19/05/80	60	4.8	4.2			2.5	0.95	0.26	0.044	0.001		
N-6	19/05/80						2.9	1.30	0.40	0.034	0.004		
AVERAGE		59	4.9	4.0			2.2	1.23	0.31	0.026	0.002		



WATERBODY: PATTERSON LAKE  
 TOWNSHIP: PATTERSON  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 46°05'  
 LONGITUDE: 79°47'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
P-5	08/05/80	0.031	0.41	0.002	0.153	9.5	1.60	8	3.6	0.85	13	6.68	30
P-6	08/05/80	0.017	0.36	0.002	0.158	9.5	1.60	11	3.6	0.80	12	6.72	34
AVERAGE		0.024	0.39	0.002	0.156	9.5	1.60	10	3.6	0.83	13	6.70	32
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	Na mg/L	K mg/L	Fe mg/L	TP mg/L	DRP mg/L		
P-5	08/05/80	41	6.5	1.0			1.5	0.75	0.19	0.009	0.001		
P-6	08/05/80	41	6.4	1.0			1.6	0.70	0.19	0.010	<0.001		
AVERAGE		41	6.5	1.0			1.6	0.73	0.19	0.010	0.001		

WATERBODY: SAUSAGE LAKE  
TOWNSHIP: LAURIER  
PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 45°57'  
LONGITUDE: 79°18'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
S-1	06/05/80	0.018	0.24	0.002	0.208	9.0	0.35	8	3.2	0.70	11	6.35	21
S-2	06/05/80												
S-3	06/05/80	0.020	0.23	0.002	0.213	9.0	0.40	8	5.2	0.70	11	6.31	20
S-4	06/05/80												
AVERAGE		0.019	0.24	0.002	0.211	9.0	0.38	8	3.2	0.70	11	6.33	21
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
S-1	06/05/80	35	4.1	1.0			0.005	0.001					
S-2	06/05/80						0.003	<.A.					
S-3	06/05/80	35	3.9	1.0			0.003	0.001					
S-4	06/05/80						0.004	0.001					
AVERAGE		35	4.0	1.0			0.004	0.001					

WATERBODY: TALON LAKE  
TOWNSHIP: MATTAWA  
PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 46°18'  
LONGITUDE: 79°05'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
T-1	09/05/80	0.008	0.22	0.002	0.193	9.5	2.60	10	4.2	1.10	15	6.88	26
T-2	09/05/80												
T-3	09/05/80												
T-4	09/05/80	0.026	0.25	0.002	0.208	9.5	2.55	10	4.2	1.05	15	7.14	25
T-5	09/05/80	0.074	0.48	0.003	0.032	9.0	2.65	17	5.2	1.45	19	7.25	31
T-6	09/05/80	0.056	0.37	0.003	0.042	9.0	2.60	17	5.4	1.55	20	7.15	21
AVERAGE		0.041	0.33	0.003	0.119	9.3	2.60	14	4.8	1.29	17	7.11	26
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	Na mg/L	K mg/L	Fe mg/L	TP mg/L	DRP mg/L		
T-1	09/05/80	55	5.6	2.0			2.4	3.60	0.25	0.011	0.002		
T-2	09/05/80									0.008	0.001		
T-3	09/05/80									0.007	<0.001		
T-4	09/05/80	55	4.5	2.0			2.4	0.80	0.15	0.009	<0.001		
T-5	09/05/80	60	5.2	3.8			2.5	0.50	0.34	0.021	0.001		
T-6	09/05/80	60	5.1	3.6			2.6	0.50	0.33	0.024	0.001		
AVERAGE		58	5.1	2.9			2.5	1.35	0.27	0.013	0.001		

WATERBODY: TEMAGAMI LAKE  
 TOWNSHIP: VARIOUS TOWNSHIPS  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°00'  
 LONGITUDE: 80°05'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	TIP ALK mg/L	pH	COND. umho/cm
1	14/07/80	15.21	7.224	108
2	14/07/80	14.37	7.335	104
3	14/07/80	10.57	7.108	78
4	14/07/80	9.27	7.152	68
5	14/07/80	8.87	6.971	68
7	14/07/80	8.51	6.902	66
8	14/07/80	8.40	6.952	64
9	14/07/80	8.29	6.960	62
10	14/07/80	8.70	6.867	60
20	14/07/80	8.50	6.918	66
25	14/07/80	6.65	6.939	56

WATERBODY: TROUT LAKE  
 TOWNSHIP: FERRIS, WIDDIFIELD  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE: 46°18'  
 LONGITUDE: 79°20'

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
T-1	09/05/80	0.018	0.20	0.002	0.228	10.0	3.00	7	3.8	0.90	13	6.81	19
T-2	09/05/80	0.022	0.22	0.002	0.273	11.5	9.00	11	5.4	1.40	19	7.13	9
T-3	09/05/80												
T-4	09/05/80												
T-5	09/05/80												
T-6	09/05/80												
AVERAGE		0.020	0.21	0.002	0.251	10.8	6.00	9	4.6	1.15	16	6.97	14
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	Na mg/L	K mg/L	Fe mg/L	TP mg/L	DRP mg/L		
T-1	09/05/80	50	3.9	1.0									
T-2	09/05/80	85	3.4	2.2			2.6	0.95	0.15	0.006	<0.001		
T-3	09/05/80						5.8	1.25	0.10	0.005	<0.001		
T-4	09/05/80									0.006	<0.001		
T-5	09/05/80									0.002	<0.001		
T-6	09/05/80									0.005	<0.001		
AVERAGE		68	3.7	1.6			4.2	1.10	0.15	0.002	<0.001		
										0.004	<0.001		

P A R R Y   S O U N D   D I S T R I C T

	<u>Page</u>
AHMIC LAKE	5-1
BEAR LAKE	5-1
BELL LAKE	5-2
BLACKSTONE LAKE	5-3
BLACKWATER LAKE	5-4
BOY LAKE	5-5
BRUSH LAKE	5-6
BURNT LAKE	5-7
CARIBOU LAKE	5-7
CHEER LAKE	5-7
COMMANDA LAKE	5-9
CRANE LAKE	5-9
DARLINGTON LAKE	5-12
DIAMOND LAKE	5-13
DUCK LAKE (LITTLE SEGUIN)	5-14
DYSON LAKE	5-16
EMSDALE LAKE	5-16
FAIRHOLME LAKE	5-17
FLAXMAN LAKE	5-19
FORGET LAKE	5-20
HARRIS LAKE	5-20
ISABELLA LAKE	5-21

P A R R Y   S O U N D   D I S T R I C T   (CON'D)

	<u>Page</u>
LITTLE JOSEPH LAKE	5-22
MANITOUWABA LAKE	5-22
McDOUGALL LAKE	5-23
McKECHNIE LAKE	5-24
MILL LAKE	5-25
MILLER LAKE	5-25
OASTLER LAKE	5-26
PATTERSON LAKE	5-26
PERRY LAKE	5-29
PORTAGE LAKE	5-29
POVERTY BAY	5-30
RESTOULE LAKE	5-30
ROBERTS LAKE	5-33
SAUSAGE LAKE	5-33
SHAWANAGE LAKE	5-33
SILVER LAKE	5-34
THREE LEGGED LAKE	5-36
TROUT LAKE	5-37
TUCKER LAKE	5-39
WATT LAKE	5-40
WAHWASHKESH LAKE	5-41

WATERBODY: AHMIC LAKE  
 TOWNSHIP: CROFT  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°37'  
 LONGITUDE: 79°42'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
A-1	14/05/80	0.054	0.33	0.004	0.201	9.5	1.85	7	3.4	0.70	11	5.90	29
A-2	14/05/80	0.044	0.30	0.003	0.013	9.5	1.75	6	3.4	0.75	12	5.92	32
A-3	14/05/80	0.036	0.30	0.003	0.011	9.5	1.70	8	3.2	0.70	11	5.92	30
A-4	14/05/80	0.044	0.31	0.003	0.013	9.0	1.75	6	3.0	0.70	10	5.88	25
AVERAGE		0.045	0.31	0.003	0.015	9.4	1.76	7	3.3	0.71	11	5.91	29

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
A-1	14/05/80	40	4.6	1.0			0.021	0.003
A-2	14/05/80	40	4.7	1.0			0.013	0.003
A-3	14/05/80	40	4.7	1.0			0.011	0.002
A-4	14/05/80	40	4.7	1.0			0.013	0.002
AVERAGE		40	4.7	1.0			0.015	0.003

WATERBODY: AHMIC LAKE  
 TOWNSHIP: CROFT  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°37'  
 LONGITUDE: 79°42'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	14/05/80											6.35	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	14/05/80	37.4							2.80

WATERBODY: BEAR LAKE  
 TOWNSHIP: MONTEITH  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°26'  
 LONGITUDE: 79°35'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
BL-1	06/05/80	0.044	0.39	0.003	0.167	8.5	0.75	4	2.4	0.55	8		37
BL-2	06/05/80												
BL-3	06/05/80	0.032	0.37	0.002	0.168	8.0	0.75	6	2.4	0.50	8		36
BL-4	06/05/80												
AVERAGE		0.038	0.38	0.003	0.168	8.3	0.75	5	2.4	0.53	8		37



WATERBODY: BEAR LAKE  
TOWNSHIP: MONTEITH  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°26'  
LONGITUDE: 79°35'

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L
BL-1	06/05/80	32	5.8	0.2			0.015	<0.001	0.9	0.40
BL-2	06/05/80						0.015	<0.001		
BL-3	06/05/80	29	5.5	0.2			0.018	<0.001	0.9	0.40
BL-4	06/05/80						0.015	<0.001		
AVERAGE		31	5.7	0.2			0.016	<0.001	0.9	0.40

WATERBODY: BEAR LAKE  
TOWNSHIP: MONTEITH  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°26'  
LONGITUDE: 79°35'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	06/05/80												6.002
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
	06/05/80	29.6							1.169				

WATERBODY: BELL LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°25'  
LONGITUDE: 80°01'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
B-1	13/05/80												
B-2	13/05/80	0.008	0.31	0.003	0.107	7.0	3.15	6	2.4	0.50	8	6.40	35
B-3	13/05/80												
B-4	13/05/80	0.008	0.26	0.003	0.107	5.0	2.80	5	2.4	0.50	8	6.36	31
AVERAGE		0.008	0.29	0.003	0.107	6.0	2.98	6	2.4	0.50	8	6.38	33
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
B-1	13/05/80						0.013	<0.001					
B-2	13/05/80	36	5.0	0.6			0.015	<0.001					
B-3	13/05/80						0.014	<0.001					
B-4	13/05/80	35	5.0	0.6			0.015	<0.001					
AVERAGE		36	5.0	0.6			0.014	<0.001					



WATERBODY: BELL LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°25'  
LONGITUDE: 80°01'

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
13/05/80												6.75	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
13/05/80		47.5							4.94				

WATERBODY: BLACKSTONE LAKE  
TOWNSHIP: CONGER  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°14'  
LONGITUDE: 79°53'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
B-1	07/05/80	0.012	0.22	0.001	0.229	8.5	3.3	7	3.4	0.75	12	6.63	14
B-2	07/05/80												
B-3	07/05/80	0.014	0.23	0.001	0.239	8.5	3.1	6	3.4	0.75	12	6.62	8
B-4	07/05/80												
AVERAGE		0.013	0.23	0.001	0.234	8.5	3.2	7	3.4	0.75	12	6.63	11

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
B-1	07/05/80	46	3.7	0.8			0.005	0.001					
B-2	07/05/80						0.009	0.001					
B-3	07/05/80	44	3.7	0.8			0.010	0.001					
B-4	07/05/80						0.009	0.002					
AVERAGE		45	3.7	0.8			0.008	0.001					

WATERBODY: BLACKSTONE LAKE  
TOWNSHIP: CONGER  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°14'  
LONGITUDE: 79°53'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
08/05/80												6.5	

WATERBODY: BLACKSTONE LAKE      LATITUDE: 45°14'  
 TOWNSHIP: CONGER                      LONGITUDE: 79°53'  
 PROGRAM: MISCELLANEOUS LAKES

Station	Date O/M/Y	CONO. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	ORP mg/L	TIP/ALK mg/L
	08/05/80	41.0							3.35

WATERBODY: BLACKSTONE LAKE      LATITUDE: 45°14'  
 TOWNSHIP: CONGER                      LONGITUDE: 79°53'  
 PROGRAM: MISCELLANEOUS LAKES      SAMPLE TYPE: CAN COMPOSITE

Station	Date O/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	21/10/80												7.059

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	OIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	ORP mg/L	TIP/ALK mg/L
	21/10/80	44							3.64

WATERBODY: BLACKWATER LAKE      LATITUDE: 45°25'  
 TOWNSHIP: CHRISTIE & McKELLAR      LONGITUDE: 79°49'  
 PROGRAM: SPRING PHOSPHORUS      SAMPLE TYPE: COMPOSITE

Station	Date O/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
B-1	13/05/80	0.004	0.29	0.003	0.107	8.5	0.60	9	4.6	0.60	14	6.87	34
B-2	13/05/80	0.006	0.28	0.003	0.907	8.0	0.60	9	4.6	0.55	14	6.91	33
B-3	13/05/80												
B-4	13/05/80												
AVERAGE		0.005	0.29	0.003	0.102	8.3	0.60	9	4.6	0.58	14	6.89	34

Station	Date O/M/Y	CONO. umho/cm	DOC mg/L	OIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	ORP mg/L
B-1	13/05/80	37	5.4	1.6			0.011	<0.001
B-2	13/05/80	36	5.3	1.6			0.011	<0.001
B-3	13/05/80						0.011	<0.001
B-4	13/05/80						0.012	<0.001
AVERAGE		37	5.4	1.6			0.011	<0.001

WATERBODY: BLACKWATER LAKE  
TOWNSHIP: CHRISTIE, MCKELLAR  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°25'  
LONGITUDE: 79°49'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80											6.71	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	13/05/80	35.0							5.42

WATERBODY: BOY LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°26'  
LONGITUDE: 80°00'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
B-1	14/05/80	0.052	0.21	0.007	0.053	7.0	1.15	7	3.0	0.65	10	5.98	6
B-2	14/05/80												
B-3	14/05/80	0.034	0.21	0.002	0.048	7.0	1.05	6	2.4	0.65	9	5.82	9
B-4	14/05/80												
AVERAGE		0.043	0.21	0.005	0.051	7.0	1.10	7	2.7	0.65	10	5.90	8

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
B-1	14/05/80	31	2.8	1.0			0.004	0.003
B-2	14/05/80						0.005	0.003
B-3	14/05/80	31	2.8	1.0			0.007	0.002
B-4	14/05/80						0.009	0.003
AVERAGE		31	2.8	1.0			0.006	0.003

WATERBODY: BOY LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°26'  
LONGITUDE: 80°00'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	14/05/80											6.50	

LATITUDE: 45°26'  
LONGITUDE: 80°00'  
SAMPLE TYPE: CAN COMPOSITE

WATERBODY: BRUSH LAKE                      LATITUDE: 45°16'  
TOWNSHIP: HUMPHREY                         LONGITUDE: 79°45'  
PROGRAM: SPRING PHOSPHORUS            SAMPLE TYPE: COMPOSITE

WATERBODY: BRUSH LAKE                      LATITUDE: 45°16'  
TOWNSHIP: HUMPHREY                      LONGITUDE: 79°45'  
PROGRAM: MISCELLANEOUS                      SAMPLE TYPE: CAN COMPOSITE

[illegible]

WATERBODY: BURNT LAKE  
 TOWNSHIP: CONGER  
 PROGRAM: SPRING PHOSPHORUS  
 LATITUDE: 45°14'  
 LONGITUDE: 79°50'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
B-1	06/05/80	0.010	0.24	0.002	0.103	7.5	0.85	7	3.4	0.70	11		4
B-2	06/05/80	0.010	0.24	0.001	0.099	7.5	0.95	7	3.4	0.65	11		2
AVERAGE		0.010	0.24	0.002	0.101	7.5	0.90	7	3.4	0.68	11		3
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	K mg/L				
B-1	06/05/80	35	3.0	1.0			0.007	<0.001	0.65				
B-2	06/05/80	35	2.9	1.0			0.008	0.001	0.65				
AVERAGE		35	3.0	1.0			0.008	0.001	0.65				

WATERBODY: CARIBOU LAKE  
 TOWNSHIP: McCONKEY  
 PROGRAM: MISCELLANEOUS  
 LATITUDE: 45°56'  
 LONGITUDE: 80°04'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
02/09/80												6.958	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
02/09/80		43							5.07				

WATERBODY: CHEER LAKE  
 TOWNSHIP: CHAPMAN & STRONG  
 PROGRAM: MISCELLANEOUS LAKES  
 LATITUDE: 45°47'  
 LONGITUDE: 79°30'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
06/05/80												5.52	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
06/05/80		23.2							0.36				



WATERBODY: CHEER LAKE  
TOWNSHIP: CHAPMAN  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°47'  
LONGITUDE: 79°30'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
C-1	06/05/80	25	3.9	0.2			0.010	0.001
C-2	06/05/80						0.014	0.001
C-3	06/05/80	25	4.0	0.2			0.012	0.001
C-4	06/05/80						0.010	0.001
AVERAGE		25	4.0	0.2			0.012	0.001



WATERBODY: COMMANDA LAKE  
 TOWNSHIP: PRINGLE  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°57'  
 LONGITUDE: 79°36'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
C-1	08/05/80	0.027	0.41	0.003	0.102	9	1.30	7	3.2	0.65	11	6.59	47
C-2	08/05/80												
C-3	08/05/80	0.046	0.45	0.003	0.077	9	1.45	7	3.4	0.70	11	6.61	46
C-4	08/05/80												
AVERAGE		0.037	0.43	0.003	0.090	9	1.38	7	3.3	0.68	11	6.60	47
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
C-1	08/05/80	36	6.6	0.8			0.018	0.002	1.5	0.75	0.30		
C-2	08/05/80						0.017	0.001					
C-3	08/05/80	38	6.9	0.8			0.016	0.001	1.5	0.80	0.32		
C-4	08/05/80						0.018	0.001					
AVERAGE		37	6.8	0.8			0.017	0.001	1.5	0.78	0.31		

WATERBODY: COMMANDA LAKE  
 TOWNSHIP: PATTERSON & PRINGLE  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°01'  
 LONGITUDE: 79°43'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	08/05/80											6.65	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
	08/05/80	43.4							3.83				

WATERBODY: CRANE LAKE  
 TOWNSHIP: CONGER  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°13'  
 LONGITUDE: 79°57'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
C-1	07/05/80	0.014	0.22	0.001	0.239	8.0	2.65	6	3.2	0.75	11	6.54	1
C-2	07/05/80												
C-3	07/05/80	0.023	0.24	0.001	0.204	8.0	2.33	6	3.2	0.75	11	6.56	4
C-4	07/05/80												
AVERAGE		0.019	0.23	0.001	0.227	8.0	2.49	6	3.2	0.75	11	6.55	3

WATERBODY: CRANE LAKE                      LATITUDE: 45°13'  
 TOWNSHIP: CONGER                      LONGITUDE: 79°57'  
 PROGRAM: SPRING PHOSPHORUS              SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
C-1	07/05/80	42	3.6	0.6			0.008	0.001
C-2	07/05/80						0.003	0.001
C-3	07/05/80	40	3.6	0.6			0.006	<0.001
C-4	07/05/80						0.008	0.001
AVERAGE		41	3.6	0.6			0.006	0.001

WATERBODY: CRANE LAKE                      LATITUDE: 45°13'  
 TOWNSHIP: CONGER                      LONGITUDE: 79°57'  
 PROGRAM: MISCELLANEOUS LAKES              SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	08/05/80												6.50

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	08/05/80	37.7							2.93

WATERBODY: CRANE LAKE                      LATITUDE: 45°13'  
 TOWNSHIP: CONGER                      LONGITUDE: 79°57'  
 PROGRAM: MISCELLANEOUS LAKES              SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	21/10/80												6.591

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	21/10/80	36							2.69

WATERBODY: CRANE LAKE  
 TOWNSHIP: CONGER  
 PROGRAM: TROUT LAKES

LATITUDE: 45°13'  
 LONGITUDE: 79°57'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L											
CR-1	/05/80	0.012	0.27	0.002	0.208	7.5	2.60	6	43	12	6.70	3.6	0.75	3.0	0.60	3.8	1.0	6.3											
	/06/80	0.016	0.33	0.002	0.138				42		6.86							6.9											
	/07/80	0.036	0.23	0.004	0.083				41		6.87							4.7											
	/08/80	<0.002	0.29	<0.001	<0.005				43		7.00							6.7											
	/09/80	0.022	0.25	0.001	0.014	8.5	2.80	7	43	10	6.79	2.6	0.95	1.9	0.55	3.9	1.0	4.5											
	/10/80	0.016	0.23	<0.001	0.075			7	41		6.49							5.3											
CR-1B	/06/80	0.024	0.20	0.001	0.264				44		6.31							10.0											
	/07/80	0.052	0.28	0.002	0.260				47		6.15							30.0											
	/08/80	0.006	0.22	0.002	0.293				45		6.10							24.0											
	/09/80	0.012	0.20	0.001	0.014	8.5	2.80	6	45	11	6.16	2.8	1.05	2.0	0.60	3.2	2.2	5.3											
	/10/80	0.012	0.21	<0.001	0.145			6	42		6.41							8.7											
	CR-2	/05/80	0.012	0.27	0.002	0.113	7.0	1.25	5	35	11	6.76	3.2	0.70	1.6	0.50	4.2	1.0	7.2										
/06/80		0.020	0.27	0.001	0.079				35		6.69							6.9											
/07/80		0.024	0.23	0.002	0.018				35		6.86							6.6											
/08/80		0.024	0.23	0.001	0.054				34		6.38							6.8											
/09/80		0.026	0.24	0.001	0.024	8.5	1.85	6	37	10	6.69	2.8	0.75	1.3	0.50	3.9	1.0	5.0											
/10/80		0.010	0.23	0.001	0.040			6	35		6.46							13.3											
CR-2B	/06/80	0.042	0.22	0.001	0.164				34		6.15							12.2											
	/07/80	0.080	0.30	0.004	0.161				38		6.08							15.5											
	/08/80	0.010	0.23	0.002	0.293				37		5.88							26.0											
	/09/80	0.030	0.25	0.001	0.279	8.0	1.35	6	37	10	6.17	2.8	0.85	1.2	0.50	3.5	2.2	7.9											
	/10/80	0.030	0.28	0.002	0.253			9	38		6.01							22.0											
Station	Date D/M/Y				Pb mg/L				Zn mg/L				Cd mg/L				Al mg/L			Cr mg/L			Fe mg/L			Ca mg/L			Ni mg/L
CR-1	/08/80				<0.02				0.02				<0.005				0.02									<0.01			<0.02
	/10/80				<0.03				0.05				<0.002				0.15			<0.02			0.03			<0.01			<0.02
CR-1B	/10/80																						0.04						
CR-2	/08/80				<0.03				0.02				<0.005				0.05									<0.01			<0.02
	/10/80																						0.03						
CR-2B	/10/80																						1.60						

WATERBODY: DARLINGTON LAKE  
 TOWNSHIP: McDOUGALL  
 PROGRAM: TROUT LAKES

LATITUDE: 45°22'  
 LONGITUDE: 80°02'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L								
D-1	/05/80	0.042	0.34	0.002	0.028	8.5	38.5	14	185	28	7.11	8.6	1.50	22.0	2.0	3.8	3.4	7.3								
	/06/80	0.018	0.26	0.002	0.023				190		7.70							8.3								
	/07/80	0.024	0.26	0.001	0.009				185		7.14							35.0								
	/08/80	0.036	0.26	0.001	0.019				190		7.06							7.2								
	/09/80	0.008	0.25	0.001	0.015	11.0	40.0	14	190	26	7.22	7.8	1.50	22.0	1.80	3.7	3.3	4.0								
	/10/80	0.012	0.27	<0.001	0.005				190		7.22							5.2								
D-1B	/06/80	0.032	0.26	0.002	0.198				200		6.67							16.4								
	/07/80	0.020	0.24	0.001	0.184				190		6.32							19.0								
	/08/80	0.048	0.26	0.003	0.117				195		6.47															
	/09/80	0.018	0.20	<0.001	0.165	11.0	41.0	15	195	26	6.29	8.0	1.50	23.0	1.95	3.1	5.6	8.6								
	/10/80	0.016	0.24	<0.001	0.165				195		6.23							9.1								
Station		Date D/M/Y	Pb mg/L			Zn mg/L			Cd mg/L			Al mg/L			Cr mg/L			Fe mg/L			Cu mg/L			Ni mg/L		
D-1		/10/80	<0.03			<0.01			<0.002			0.06			<0.02			0.02			<0.01			<0.02		
D-1B		/10/80																0.08								

WATERBODY: DARLINGTON LAKE      LATITUDE: 45°22'  
TOWNSHIP: McDOUGALL      LONGITUDE: 80°02'  
PROGRAM: MISCELLANEOUS LAKES      SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80											7.300	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	193							12.00

WATERBODY: DIAMOND LAKE      LATITUDE: 45°23'  
TOWNSHIP: CHRISTIE      LONGITUDE: 79°46'  
PROGRAM: SPRING PHOSPHORUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
D-1	12/05/80	0.028	0.35	0.002	0.048	7.0	4.35	4	2.2	0.60	8	6.71	19
D-2	12/05/80												
D-3	12/05/80												
D-4	12/05/80	0.022	0.29	0.002	0.048	7.0	4.85	6	2.2	0.60	8	6.65	17
AVERAGE		0.025	0.32	0.002	0.048	7.0	4.60	5	2.2	0.60	8	6.68	18

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
D-1	12/05/80	42	4.7	0.4			0.016	0.001
D-2	12/05/80						0.012	<0.001
D-3	12/05/80						0.011	0.001
D-4	12/05/80	41	4.6	0.4			0.018	0.001
AVERAGE		42	4.7	0.4			0.014	0.001

WATERBODY: DIAMOND LAKE      LATITUDE: 45°23'  
TOWNSHIP: CHRISTIE      LONGITUDE: 79°46'  
PROGRAM: MISCELLANEOUS LAKES      SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	12/05/80											6.16	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	12/05/80	38.9							1.04



WATERBODY: LITTLE SEQUIN LAKE      LATITUDE: 45°23'  
 TOWNSHIP: CHRISTIE      LONGITUDE: 79°23'  
 PROGRAM: TROUT LAKES      SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
LS-1	/05/80	0.032	0.30	0.003	0.122	7.5	2.00	13	50	19	9.14	6.4	0.85	1.6	0.60	4.8	2.2	11.5
	/06/80	0.054	0.33	0.002	0.068				38		6.89							22.0
	/07/80	0.018	0.31	0.004	0.284				40		5.97							9.0
	/08/80	0.030	0.29	0.001	0.004				37		6.41							8.2
	/09/80	0.036	0.27	0.002	0.043	8.0	2.35	9	39	10	6.55	2.8	0.70	1.7	0.65	4.7	1.0	14.0
	/10/80	0.026	0.25	<0.001	0.075				39		6.32							12.5
LS-1B	/06/80	0.080	0.32	0.004	0.241				40		6.10							
	/07/80	0.034	0.30	0.002	0.085				37		6.41							27.0
	/08/80	0.012	0.28	0.001	0.269				39		5.87							25.0
	/09/80	0.022	0.22	0.002	0.318	8.5	2.05	8	39	10	5.82	3.0	0.70	1.6	0.70	4.4	2.8	14.4
	/10/80	0.004	0.29	<0.001	0.310				39		5.90							17.5
Station	Date D/M/Y	Pb mg/L			Zn mg/L		Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L		Ni mg/L	
LS-1	/05/80	0.03			<0.01		<0.005		<0.02						<0.01		<0.02	
	/10/80	<0.03			0.11		<0.002		<0.02		<0.02		0.16		<0.01		<0.02	
LS-1B	/10/80												0.80					



WATERBODY: DUCK (LITTLE SEGUIN) LAKE      LATITUDE: 45°23'  
 TOWNSHIP: CHRISTIE                              LONGITUDE: 79°48'  
 PROGRAM: SPRING PHOSPHORUS              SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
D-1	12/05/80	0.022	0.29	0.002	0.138	8.0	2.05	6	2.4	0.65	9	6.72	32
D-2	12/05/80												
D-3	12/05/80	0.030	0.26	0.002	0.158	8.5	2.05	6	2.4	0.70	9	6.56	27
D-4	12/05/80												
AVERAGE		0.026	0.28	0.002	0.148	8.3	2.05	6	2.4	0.68	9	6.64	30

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
D-1	12/05/80	37	4.9	0.6			0.012	0.002
D-2	12/05/80						0.010	0.001
D-3	12/05/80	39	4.9	1.6			0.012	0.001
D-4	12/05/80						0.023	0.001
AVERAGE		38	4.9	1.1			0.014	0.001

WATERBODY: DUCK (LITTLE SEGUIN) LAKE      LATITUDE: 45°23'  
 TOWNSHIP: CHRISTIE                              LONGITUDE: 79°48'  
 PROGRAM: MISCELLANEOUS LAKES              SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	12/05/80											6.47	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	12/05/80	34.0							2.43

WATERBODY: DUCK (LITTLE SEGUIN) LAKE      LATITUDE: 45°23'  
 TOWNSHIP: CHRISTIE                              LONGITUDE: 79°48'  
 PROGRAM: MISCELLANEOUS LAKES              SAMPLE TYPE: CAN COMPOSTIE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80											6.585	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	38							3.78

WATERBODY: DYSON LAKE  
TOWNSHIP: HUMPHREY  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°13'  
LONGITUDE: 79°39'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
D-1	08/05/80												
D-2	08/05/80	0.044	0.21	0.001	0.149	9.0	0.90	5	2.8	0.65	10	6.69	5
D-3	08/05/80												
D-4	08/05/80	0.048	0.21	0.001	0.149	9.0	0.95	6	2.6	0.65	9	6.75	1
AVERAGE		0.046	0.21	0.001	0.149	9.0	0.93	6	2.7	0.65	10	6.72	3
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
D-1	08/05/80												
D-2	08/05/80	37	2.0	0.8			0.006	<0.001					
D-3	08/05/80						0.005	<0.001					
D-4	08/05/80	37	2.1	0.8			0.004	0.002					
AVERAGE		37	2.1	0.8			0.008	0.001					
							0.001	0.001					

WATERBODY: DYSON LAKE  
TOWNSHIP: HUMPHREY  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°13'  
LONGITUDE: 79°39'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	08/05/80												
												6.58	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
	08/05/80	35.2											
									2.80				

WATERBODY: EMSDALE LAKE  
TOWNSHIP: BETHUNE  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°31'  
LONGITUDE: 79°12'

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
E-1	06/05/80	0.032	0.26	0.002	0.088	7.5	0.55	6	2.6	0.6	7		4
E-2	06/05/80												
E-3	06/05/80	0.030	0.24	0.002	0.088	7.5	0.60	6	2.6	0.6	7		1
E-4	06/05/80												
AVERAGE		0.031	0.25	0.002	0.088	7.5	0.58	6	2.6	0.6	7		3

WATERBODY: EMSDALE LAKE  
TOWNSHIP: BETHUNE  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°31'  
LONGITUDE: 79°12'

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	K mg/L	Na mg/L
E-1	06/05/80	30	2.9	0.6			0.015	<0.001	0.50	0.8
E-2	06/05/80						0.006	<0.001		
E-3	06/05/80	30	3.3	1.0			0.006	<0.001	0.50	0.8
E-4	06/05/80						0.005	<0.001		
AVERAGE		30	3.1	0.8			0.008	<0.001	0.50	0.8

WATERBODY: EMSDALE LAKE  
TOWNSHIP: BETHUNE & PERRY  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°31'  
LONGITUDE: 79°12'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	06/05/80											6.368	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	06/05/80	31.7							2.244

WATERBODY: FAIRHOLME LAKE  
TOWNSHIP: HAGERMAN  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°35'  
LONGITUDE: 79°54'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80											7.016	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	42							8.83

WATERBODY: FAIRHOLME LAKE  
 TOWNSHIP: HAGERMAN  
 PROGRAM: TROUT LAKES

LATITUDE: 45°35'  
 LONGITUDE: 79°54'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L	
FA-1	/05/80	0.018	0.25	0.002	0.063	7.5	0.45	11	43	16	7.22	5.0	0.75	0.8	0.30	4.6	2.0	8.6	
	/06/80	0.006	0.25	0.002	0.028				41		7.36								
	/07/80	0.022	0.24	0.002	0.018				42		6.93								
	/08/80	0.014	0.23	0.001	0.019	43	6.70	4.8	0.85	0.9	0.35	4.1	2.4	5.0					
	/09/80	0.036	0.21	0.001	0.119	45	7.08												
	/10/80	0.032	0.21	0.001	0.024	42	6.85												
FA-1B	/06/80	0.028	0.29	0.001	0.144	8.5	0.40	15	47	19	6.40	6.0	0.90		1.0	0.40	3.8	5.0	22.0
	/07/80	0.016	0.23	0.001	0.179				46		6.31								
	/08/80	0.020	0.26	0.001	0.169				47		6.60								
	/09/80	0.020	0.22	0.001	0.224				52		6.35								
	/10/80	0.212	0.48	<0.001	0.025				47		6.30								
Station	Date D/M/Y			Pb mg/L			Zn mg/L		Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L	Ni mg/L	
FA-1			/05/80		0.05		<0.01		<0.005		0.05						<0.01	<0.02	
			/07/80		<0.03		0.03		<0.005		<0.02						<0.01	<0.02	
			/10/80		<0.03		<0.01		0.009		<0.02		<0.02		0.48		<0.01	<0.02	
FA-1B																			

WATERBODY: FLAXMAN LAKE  
TOWNSHIP: CHRISTIE  
PROGRAM: TROUT LAKES

LATITUDE: 45°20'  
LONGITUDE: 79°50'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L							
FL-1	/05/80					7.0	0.65	5	28	6		2.2	0.50	0.6	0.30	2.2	0.8	6.1							
	/06/80	0.014	0.24	0.001	0.089				27		6.56							9.4							
	/07/80	0.027	0.20	0.001	0.029				26		6.48							8.7							
	/08/80	0.030	0.21	<0.001	0.005				26		6.72							6.7							
	/09/80	0.012	0.21	<0.001	<0.005	9.0	0.35	5	26		6.58	2.0	0.40	0.7	0.35	3.1	0.8	4.9							
	/10/80	0.016	0.17	0.001	0.015			8	26		6.42							6.3							
FL-1B	/06/80	0.036	0.24	0.001	0.119				31		6.44							16.7							
	/07/80	0.142	0.30	0.002	0.143				31		5.91							19.0							
	/08/80	0.110	0.30	0.004	0.176				31		6.62							15.9							
	/09/80	0.008	0.18	<0.001	0.275	8.0	0.35	6	29		5.88	2.2	0.45	0.6	0.35	2.6	2.8	8.5							
	/10/80	0.014	0.17	0.001	0.310			6	30		5.83							9.3							
FL-2	/05/80					6.5	0.45	5	28	8		1.8	0.45	0.4	0.25	2.2	0.8	6.2							
	/06/80	0.014	0.22	0.001	0.089				27		6.44							6.5							
	/07/80	0.025	0.24	0.001	0.029				28		6.51							7.4							
	/08/80	0.036	0.19	<0.001	0.005				26		6.56							6.3							
	/09/80	0.008	0.19	<0.001	<0.005	8.0	0.30	5	26		6.65	2.0	0.30	0.6	0.35	3.0	1.0	4.2							
	/10/80	0.010	0.17	0.002	0.013			5	25		6.28							7.9							
FL-2B	/06/80	0.088	0.33	0.001	0.114				30		5.99							25.0							
	/07/80	0.182	0.44	0.001	0.019				31		5.86							27.0							
	/08/80	0.148	0.32	0.003	0.087				29		6.24							14.9							
	/09/80	0.050	0.23	0.001	0.227	8.0	0.35	5	29		6.19	2.2	0.40	0.6	0.35	2.4	2.8	7.5							
	/10/80	0.016	0.19	0.001	0.249			5	29		5.95							7.8							
Station	Date D/M/Y	Pb mg/L			Zn mg/L			Cd mg/L			Al mg/L			Cr mg/L			Fe mg/L			Cu mg/L			Ni mg/L		
FL-1	/05/80	<0.03			<0.01			<0.005			0.04									<0.01			<0.02		
	/07/80	0.14			<0.01			<0.005			<0.02									<0.01			<0.02		
	/10/80	<0.03			<0.01			<0.002			<0.02			<0.02			0.40			<0.01			<0.02		
FL-1B	/10/80																0.03								
FL-2	/05/80	<0.03			<0.01			<0.005			0.03									<0.01			<0.02		
	/07/80	<0.03			<0.01			<0.005			0.08									<0.01			<0.02		
	/10/80	<0.03			<0.01			<0.002			<0.02			<0.02			0.67			<0.01			<0.02		
FL-2B	/10/80																0.03								



WATERBODY: FLAXMAN LAKE  
TOWNSHIP: CHRISTIE  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°20'  
LONGITUDE: 79°50'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80												6.409

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	27							1.67

WATERBODY: FORGET LAKE  
TOWNSHIP: FOLEY & CONGER  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°15'  
LONGITUDE: 79°54'

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80												7.013

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	37							3.85

WATERBODY: HARRIS LAKE  
TOWNSHIP: WALLBRIDGE  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°42'  
LONGITUDE: 80°22'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
H-1	05/05/80												
H-2	05/05/80	0.036	0.29	0.002	0.228	8.5	3.30	7	3.4	0.90			36
H-3	05/05/80												
H-4	05/05/80	0.022	0.30	0.002	0.158	7.5	4.65	7	3.0	0.80			37
AVERAGE		0.029	0.30	0.002	0.193	8.0	3.98	7	3.2	0.85			37
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L			
H-1	05/05/80												
H-2	05/05/80	40	5.6	1.0			0.009	0.001					
H-3	05/05/80						0.010	0.001	1.6	0.70			
H-4	05/05/80	36	1.6	0.2			0.009	0.001					
AVERAGE		38	3.6	0.6			0.015	0.001	1.4	0.85			
							0.011	0.001	1.5	0.78			



WATERBODY: HARRIS LAKE  
TOWNSHIP: WALLBRIDGE & HARRISON  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°42'  
LONGITUDE: 80°22'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
05/05/80												6.658	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
05/05/80		42.8							4.997

WATERBODY: ISABELLA LAKE  
TOWNSHIP: CHRISTIE  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°24'  
LONGITUDE: 79°49'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
I-1	12/05/80	0.030	0.59	0.002	0.133	8.0	1.45	5	2.2	0.60	8	6.52	38
I-2	12/05/80												
I-3	12/05/80												
I-4	12/05/80	0.016	0.29	0.002	0.138	8.0	1.60	5	2.4	0.60	8	6.52	30
AVERAGE		0.023	0.44	0.002	0.136	8.0	1.53	5	2.4	0.60	8	6.52	34

Station	Date D/M/Y	CONO. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
I-1	12/05/80	33	5.4	0.6			0.018	0.001
I-2	12/05/80						0.014	<0.001
I-3	12/05/80						0.014	0.001
I-4	12/05/80	34	5.2	0.6			0.012	<0.001
AVERAGE		34	5.3	0.6			0.015	0.001

WATERBODY: ISABELLA LAKE  
TOWNSHIP: CHRISTIE  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°24'  
LONGITUDE: 79°49'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
12/05/80												5.87	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
12/05/80		30.4							1.90

WATERBODY: LITTLE JOSEPH LAKE  
TOWNSHIP: HUMPHREY  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°13'  
LONGITUDE: 79°41'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
LJ-1	05/81	0.012	0.19	0.001	0.139	9.0	2.80	7	2.8	0.70	10	6.65	14
LJ-2	05/81												
LJ-3	05/81	0.010	0.19	0.001	0.134	9.0	2.80	7	2.8	0.70	10	6.71	16
LJ-4	05/81												
AVERAGE		0.011	0.19	0.001	0.137	9.0	2.80	7	2.8	0.70	10	6.68	15

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L							
LJ-1	05/81	43	3.2	1.0	0.008	<0.001							
LJ-2	05/81				0.006	<0.001							
LJ-3	05/81	43	3.2	0.8	0.010	<0.001							
LJ-4	05/81				0.007	<0.001							
AVERAGE		43	3.2	0.9	0.008	<0.001							

WATERBODY: LITTLE JOSEPH LAKE  
TOWNSHIP: HUMPHREY  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°13'  
LONGITUDE: 79°41'  
SAMPLE TYPE: - CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	08/05/80											6.60	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L						
	08/05/80	40.6					3.17						

WATERBODY: MANITOUWABA LAKE  
TOWNSHIP: MONTEITH  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°24'  
LONGITUDE: 79°42'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	13/05/80	0.014	0.22	0.002	0.118	7.0	0.40	4	1.6	0.40	6	5.49	24
M-2	13/05/80												
M-3	13/05/80	0.004	0.22	0.002	0.123	6.5	0.40	4	1.6	0.40	6	5.85	15
M-4	13/05/80												
AVERAGE		0.009	0.22	0.002	0.121	6.8	0.40	4	1.6	0.40	6	5.67	20

WATERBODY: MANITOUWABA LAKE  
TOWNSHIP: MONTEITH  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°24'  
LONGITUDE: 79°42'

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L
M-1	13/05/80	24	4.3	0.2	0.007	<0.001
M-2	13/05/80				0.009	<0.001
M-3	13/05/80	23	3.8	0.2	0.006	<0.001
M-4	13/05/80				0.010	<0.001
AVERAGE		24	4.1	0.2	0.008	<0.001

WATERBODY: MANITOUWABA LAKE  
TOWNSHIP: MONTEITH & CHRISTIE  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°24'  
LONGITUDE: 79°42'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80											5.27	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	13/05/80	22.5					0.20

WATERBODY: McDOUGALL LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°24'  
LONGITUDE: 80°03'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	13/05/80	0.018	0.36	0.003	0.087	8.0	4.80	8	4.0	0.75	13	6.63	37
M-2	13/05/80												
M-3	13/05/80	0.016	0.41	0.003	0.067	8.0	4.70	8	4.0	0.75	13	7.04	36
AVERAGE		0.017	0.31	0.003	0.077	8.0	4.75	8	4.0	0.75	13	6.84	37

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L
M-1	13/05/80	50	5.4	1.8	0.012	<0.001
M-2	13/05/80				0.018	<0.001
M-3	13/05/80	50	5.3	1.4	0.012	<0.001
M-4	13/05/80				0.014	<0.001
AVERAGE		50	5.4	1.6	0.014	<0.001

WATERBODY: McDOUGALL LAKE  
 TOWNSHIP: McDOUGALL  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°24'  
 LONGITUDE: 80°03'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80											6.31	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L							
	13/05/80	32.1				1.78							

WATERBODY: McKECHNIE LAKE  
 TOWNSHIP: CONGER  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°14'  
 LONGITUDE: 79°49'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	07/05/80	0.019	0.24	0.001	0.084	7.5	0.80	9	3.2	0.60	11	6.78	5
M-2	07/05/80	0.025	0.23	0.001	0.089	7.0	0.85	9	3.4	0.60	11	6.83	5
AVERAGE		0.022	0.24	0.001	0.087	7.3	0.83	9	3.3	0.60	11	6.81	5

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L							
M-1	07/05/80	35	3.1	1.0	0.004	0.001							
M-2	07/05/80	35	3.0	1.0	0.005	0.001							
AVERAGE		35	3.1	1.0	0.005	0.001							

WATERBODY: McKECHNIE LAKE  
 TOWNSHIP: CONGER  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°14'  
 LONGITUDE: 79°49'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	08/05/80											6.78	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L						
	08/05/80	33.4					4.52						



WATERBODY: MILL LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°22'  
LONGITUDE: 80°00'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	13/05/80												
M-2	13/05/80	0.020	0.29	0.002	0.188	8.0	1.75	7	3.6	0.65	12	6.62	36
M-3	13/05/80												
M-4	13/05/80	0.024	0.33	0.003	0.177	8.5	1.55	7	3.6	0.60	11	6.67	35
AVERAGE		0.022	0.31	0.003	0.183	8.3	1.65	7	3.6	0.63	12	6.65	36

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L
M-1	13/05/80				0.012	<0.001
M-2	13/05/80	38	5.3	1.0	0.011	<0.001
M-3	13/05/80				0.012	<0.001
M-4	13/05/80	38	5.3	1.0	0.011	<0.001
AVERAGE		38	5.3	1.0	0.012	<0.001

WATERBODY: MILL LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°22'  
LONGITUDE: 80°00'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80											6.57	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	13/05/80	35.1					3.60

WATERBODY: MILLER LAKE  
TOWNSHIP: McDOUGALL  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°26'  
LONGITUDE: 80°00'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	14/05/80	0.042	0.25	0.002	0.073	7.5	3.00	10	3.2	1.00	12	6.23	10
M-2	14/05/80	0.078	0.26	0.024	0.081	8.0	3.00	10	3.4	0.95	12	6.30	9
AVERAGE		0.060	0.26	0.013	0.077	7.8	3.00	10	3.3	0.98	12	6.27	10

## CONTINUED

WATERBODY: MILLER LAKE      LATITUDE: 45°26'  
 TOWNSHIP: McDOUGALL      LONGITUDE: 80°00'  
 PROGRAM: SPRING PHOSPHORUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L
M-1	14/05/80	46	3.5	2.0	0.006	0.003
M-2	14/05/80	47	3.4	1.8	0.007	0.003
AVERAGE		47	3.5	1.9	0.007	0.003

WATERBODY: MILLER LAKE      LATITUDE: 45°26'  
 TOWNSHIP: McDOUGALL      LONGITUDE: 80°00'  
 PROGRAM: MISCELLANEOUS LAKES      SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	14/05/80											6.55	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L						
	14/05/80	45.5					6.93						

WATERBODY: OASTLER LAKE      LATITUDE: 45°19'  
 TOWNSHIP: FOLEY      LONGITUDE: 79°08'  
 PROGRAM: MISCELLANEOUS LAKES      SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80											6.892	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L						
	15/10/80	58					6.36						

WATERBODY: PATTERSON LAKE      LATITUDE: 45°32'  
 TOWNSHIP: PERRY      LONGITUDE: 79°14'  
 PROGRAM: SPRING PHOSPHORUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
P-1	06/05/80	0.014	0.23	0.002	0.023	8	0.40	6	4.0	1.05	14		15
P-2	06/05/80												
P-3	06/05/80												
P-4	06/05/80	0.022	0.26	0.001	0.049	8	0.45	5	3.6	0.90	13		14
AVERAGE		0.018	0.25	0.002	0.036	8	0.43	6	3.8	0.98	14		15





WATERBODY: PATTERSON LAKE  
 TOWNSHIP: PERRY  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°32'  
 LONGITUDE: 79°14'  
 SAMPLE TYPE: COMPOSITE

Station	Date O/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	K mg/L	Na mg/L
P-1	06/05/80	38	3.7	1.0	0.007	0.001	0.60	1.0
P-2	06/05/80				0.007	0.001		
P-3	06/05/80				0.011	0.001	0.70	1.1
P-4	06/05/80	37	3.5	1.0	0.008	0.001	0.70	1.0
AVERAGE		38	3.6	1.0				

WATERBODY: PATTERSON LAKE  
 TOWNSHIP: PATTERSON  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°05'  
 LONGITUDE: 79°47'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARO mg/L	pH	COLOR
	02/09/80											6.832	
Station	Date D/M/Y	CONO. umho/cm	OOC mg/L	DIC mg/L	TP mg/L	ORP mg/L							
	02/09/80	39				4.78							

WATERBODY: PATTERSON LAKE  
 TOWNSHIP: PATTERSON  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°05'  
 LONGITUDE: 79°47'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date O/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARO mg/L	pH	COLOR Haz. U.
	08/05/80											6.60	
Station	Date D/M/Y	COND. umho/cm	OOC mg/L	OIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L						
	08/05/80	40.4					4.58						

WATERBODY: PERRY LAKE  
 TOWNSHIP: PERRY  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°32'  
 LONGITUDE: 79°14'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	06/05/80											6.495	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	06/05/80	35.0					3.159

WATERBODY: PORTAGE LAKE  
 TOWNSHIP: CONGER & HUMPHREY  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°13'  
 LONGITUDE: 79°48'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80											6.828	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	59							4.14

WATERBODY: POVERTY BAY  
 TOWNSHIP: MAGNETEWAN  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°41'  
 LONGITUDE: 79°44'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
P-1	07/05/80	0.010	0.29	0.002	0.143	8.0	3.70	7	2.8	0.60	10		24
P-2	07/05/80												
P-3	07/05/80	0.010	0.33	0.002	0.143	8.0	2.35	5	2.6	0.60	9		24
P-4	07/05/80												
AVERAGE		0.010	0.31	0.002	0.143	8.0	3.03	6	2.7	0.60	10		24

WATERBODY: POVERTY BAY  
TOWNSHIP: MAGNETEWA  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°41'  
LONGITUDE: 79°44'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L
P-1	07/05/80	41	4.8	0.6			0.011	<0.001	2.6	0.50
P-2	07/05/80						0.011	<0.001		
P-3	07/05/80	36	5.3	0.8			0.015	<0.001	2.0	0.055
P-4	07/05/80						0.014	<0.001		
AVERAGE		39	5.1	0.7			0.013	<0.001	2.3	0.053

WATERBODY: RESTOULE LAKE  
TOWNSHIP: PATTERSON  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°03'  
LONGITUDE: 79°46'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	08/05/80											6.45	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	08/05/80	40.8							4.27

WATERBODY: RESTOULE LAKE  
TOWNSHIP: PATTERSON  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°03'  
LONGITUDE: 79°46'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	02/09/80											6.744	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	02/09/80	41							4.53

WATERBODY: RESTOULE LAKE  
TOWNSHIP: PATTERSON  
PROGRAM: TROUT LAKES

LATITUDE: 46°03'  
LONGITUDE: 79°46'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
R-1	/05/80	0.024	0.41	0.003	0.092	9.5	1.35	6	40	13	6.98	3.8	0.75	1.4	0.75	6.6	0.8	15.0
	/06/80	0.034	0.33	0.002	0.093				40		6.81							10.2
	/07/80	0.044	0.33	0.002	0.038				39		6.74							7.6
	/09/80	0.040	0.33	0.003	0.017				34		6.80							7.3
	/10/80	0.028	0.35	0.001	0.109	10.0	1.30	10	40	13	6.30	3.8	0.95	1.4	0.70	5.4	1.6	8.4
R-1B	/05/80	0.016	0.32	0.002	0.143	8.5	1.40	6	41	13	6.53	3.8	0.80	1.3	0.75	6.8	1.4	
	/06/80	0.026	0.31	0.002	0.183				41		6.63							13.7
	/07/80	0.014	0.28	0.001	0.189				42		6.42							17.0
	/09/80	0.022	0.29	0.003	0.237				37		6.66							11.0
	/10/80	0.026	0.32	0.002	0.244	10.5	1.35	8	43	14	6.30	4.0	1.00	1.4	0.70	4.9	2.4	13.3
R-2	/05/80	0.016	0.59	0.002	0.098	8.5	1.40	7	41	13	6.99	3.8	0.90	1.3	0.80	6.8	0.8	
	/06/80	0.032	0.37	0.002	0.098				39		6.85							11.1
	/07/80	0.042	0.33	0.002	0.028				39		6.75							8.8
	/09/80	0.052	0.40	0.003	0.017				39		6.55							7.3
	/10/80	0.026	0.32	0.002	0.103	10.0	1.35	7	40	13	6.66	3.8	0.90	1.4	0.70	5.5	1.6	8.1
R-2B	/05/80	0.012	0.33	0.002	0.128	7.5	1.35	7	41	13	6.64	3.8	0.80	1.4	0.80	6.9	1.0	
	/06/80	0.022	0.29	0.002	0.178				42		6.61							17.4
	/07/80	0.010	0.28	0.001	0.179				41		6.38							10.8
	/09/80	0.080	0.39	0.004	0.236				34		6.65							10.9
	/10/80	0.006	0.28	0.002	0.243	10.0	1.30	7	42	14	6.46	3.8	1.00	1.4	0.70	4.9	2.6	19.0

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Cr mg/L	Fe mg/L	Cu mg/L	Ni mg/L
R-1	/05/80	≤0.003	≤0.002	≤0.005	0.072			≤0.002	≤0.004
	/10/80	≤0.003	≤0.003	≤0.0002	0.035		0.09	≤0.001	≤0.002
R-1B	/05/80								
	/10/80						0.21		
R-2	/05/80	≤0.003	≤0.002	≤0.005	0.082			≤0.002	≤0.004
	/10/80	≤0.003	≤0.003	≤0.0002	0.045		0.09	≤0.001	≤0.002
R-2B	/05/80								
	/10/80						0.20		



WATERBODY: RESTOULE LAKE  
 TOWNSHIP: PATTERSON  
 PROGRAM: SPRING PHOSPHOROUS

LATITUDE:  
 LONGITUDE:  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
R-1	08/05/80												
R-2	08/05/80	0.021	0.036	0.002	0.173	9.5	1.45	11	3.6	0.80	12	6.62	30
R-3	08/05/80												
R-4	08/05/80	0.012	0.33	0.002	0.173	9.5	1.50	11	3.6	0.85	13	6.61	31
AVERAGE		0.017	0.35	0.002	0.173	9.5	1.48	11	3.6	0.83	13	6.62	31
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	Na mg/L	K mg/L	Fe mg/L	TP mg/L	DRP mg/L		
R-1	08/05/80												
R-2	08/05/80	41	6.4	1.0			1.6	0.75	0.21	0.018	0.002		
R-3	08/05/80									0.010	<0.001		
R-4	08/05/80	42	6.4	1.0			1.5	0.75	0.18	0.010	0.001		
AVERAGE		42	6.4	1.0			1.6	0.75	0.20	0.008	0.001		
										0.012	0.001		



WATERBODY: ROBERTS LAKE  
 TOWNSHIP: CONGER  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°15'  
 LONGITUDE: 79°49'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
R-1	06/05/80	0.038	0.37	0.002	0.138	8	1.00	9	2.4	0.60	9		24
R-2	06/05/80	0.030	0.34	0.002	0.138	8	0.90	6	2.2	0.60	8		24
AVERAGE		0.034	0.36	0.002	0.138	8	0.95	8	2.3	0.60	9		24

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L
R-1	06/05/80	31	5.1	0.6			0.011	<0.001	1.0	0.65
R-2	06/05/80	31	5.1	0.4			0.011	<0.001	0.9	0.65
AVERAGE		31	5.1	0.5			0.011	<0.001	1.0	0.65

WATERBODY: SAUSAGE LAKE  
 TOWNSHIP: LAURIER  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°57'  
 LONGITUDE: 79°18'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	06/05/80											6.05	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	06/05/80	22.7							2.35

WATERBODY: SHAWANAGA LAKE  
 TOWNSHIP: SHAWANAGA  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°31'  
 LONGITUDE: 80°17'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
S-1	07/05/80												
S-2	07/05/80	0.014	0.30	0.002	0.148	7.0	1.90	11	4.2	0.65	13		27
S-3	07/05/80												
S-4	07/05/80	0.020	0.31	0.002	0.143	7.5	1.60	9	4.2	0.60	13		28
AVERAGE		0.016	0.31	0.002	0.146	7.3	1.75	10	4.2	0.63	13		28

WATERBODY: SHAWANAGE LAKE  
 TOWNSHIP: SHAWANAGE  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°31'  
 LONGITUDE: 80°17'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L
S-1	07/05/80						0.019	<0.001		
S-2	07/05/80	41	5.1	1.8			0.016	<0.001	1.8	0.40
S-3	07/05/80						0.014	<0.001		
S-4	07/05/80	39	5.3	1.8			0.020	<0.001	1.5	0.35
AVERAGE		40	5.2	1.8			0.017	<0.001	1.7	0.38

WATERBODY: SHAWANAGA LAKE  
 TOWNSHIP: HAGERMAN & FERGUSON  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°34'  
 LONGITUDE: 79°59'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	07/05/80											6.670	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	07/05/80	42.3							6.032

WATERBODY: SILVER LAKE  
 TOWNSHIP: HUMPHREY  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°14'  
 LONGITUDE: 79°48'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	15/10/80											6.859	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	100							6.21

WATERBODY: SILVER LAKE  
 TOWNSHIP: HUMPHREY  
 PROGRAM: TROUT LAKES

LATITUDE: 45°14'  
 LONGITUDE: 79°48'  
 SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
S-1	/05/80	0.030	0.29	0.002	0.153	8.5	14.5	7	85	15	6.77	4.6	0.75	8.7	0.90	5.7	1.6	10.5
	/06/80	0.028	0.26	0.002	0.138				85		6.69							13.0
	/07/80	0.034	0.35	0.005	0.045				85		7.15							8.2
	/08/80	0.020	0.25	0.003	0.062				90		6.84							7.9
	/09/80	0.032	0.23	0.002	0.143	9.0	15.5	10	88		6.35	4.4	0.85	8.9	0.70	4.7	2.0	6.2
	/10/80	0.026	0.28	0.003	0.112			9	88		6.81							5.1
S-1B	/06/80	0.046	0.32	0.005	0.220				90		6.17							26.0
	/07/80	0.020	0.29	0.003	0.242				90		6.14							20.0
	/08/80	0.014	0.24	0.002	0.223				85		6.00							51.0
	/09/80	0.020	0.25	<0.001	0.270	9.0	15.0	9	88		5.90	4.4	0.85	8.8	0.70	4.6	3.2	11.9
	/10/80	0.020	0.25	0.001	0.259			8	87		6.01							8.7
S-2	/05/80	0.024	0.30	0.003	0.142	8.5	14.5	9	85		6.78	4.4	0.75	8.6	0.70	5.7	1.2	11.6
	/07/80	0.038	0.35	0.004	0.056				85		6.87							6.6
	/08/80	0.021	0.27	0.003	0.042				90		6.91							7.2
	/09/80	0.020	0.23	<0.001	0.130	9.0	15.0	10	87		6.32	4.6	0.80	8.8	0.65	4.7	2.0	6.5
	/10/80	0.030	0.26	0.001	0.114			9	88		6.65							5.7
S-2B	/07/80	0.016	0.23	0.002	0.238				85		5.93							15.8
	/08/80	0.006	0.29	0.002	0.258				90		5.91							8.7
	/09/80	0.034	0.24	<0.001	0.255	9.5	15.5	9	86		5.85	4.2	0.85	8.9	0.75	4.6	3.2	14.1
	/10/80	0.020	0.25	0.001	0.259			12	87		5.87							12.6

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Cr mg/L	Fe mg/L	Cu mg/L	Ni mg/L
S-1	/05/80	<0.03	<0.01	<0.005	0.02				
	/08/80	<0.03	<0.01	<0.005	<0.02			<0.01	<0.02
	/10/80	<0.03	<0.01	0.004	0.20	<0.02	0.11	<0.01	<0.02
S-1B	/10/80						0.23		
S-2	/05/80	<0.03	<0.01	<0.005	0.60			<0.01	<0.02
	/08/80	<0.03	0.01	<0.005	<0.02			<0.01	<0.02
	/10/80	<0.03	<0.01	0.006	0.11	<0.02	0.11	<0.01	<0.02
S-2B	/10/80						0.47		

LATITUDE: 45°16'  
LONGITUDE: 80°01'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
TL-1	12/05/80	0.016	0.21	0.001	0.079	8	0.50	6	2.2	0.65	8	7.32	7
TL-2	12/05/80												
TL-3	12/05/80												
TL-4	12/05/80	0.014	0.18	0.001	0.079	8	0.50	5	2.2	0.65	8	6.70	5
AVERAGE		0.015	0.20	0.001	0.079	8	0.50	6	2.2	0.65	8	7.01	6

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
TL-1	12/05/80	31	3.6	0.6			0.004	0.001
TL-2	12/05/80						0.007	0.001
TL-3	12/05/80						0.007	0.001
TL-4	12/05/80	32	3.6	0.4			0.006	0.001
AVERAGE		32	3.6	0.5			0.006	0.001

LATITUDE: 45°16'  
LONGITUDE: 80°01'  
SAMPLE TYPE: TUBE COMPOSITE

[illegible]

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	12/05/80	28.4							1.71

LATITUDE: 45°16'  
LONGITUDE: 80°01'  
SAMPLE TYPE: CAN COMPOSITE

[illegible]



WATERBODY: THREE LEGGED LAKE  
 TOWNSHIP: FOLEY & COWDER  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°16'  
 LONGITUDE: 80°01'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	15/10/80	29							1.70

WATERBODY: TROUT LAKE  
 TOWNSHIP: McDOUGALL  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°26'  
 LONGITUDE: 79°59'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
T-1	13/05/80												
T-2	13/05/80	0.036	0.33	0.002	0.023	8.0	0.40	6	2.4	0.60	8	6.83	16
T-3	13/05/80												
T-4	13/05/80	0.024	0.26	0.001	0.049	8.0	0.45	5	2.4	0.60	8	6.56	8
AVERAGE		0.030	0.30	0.002	0.036	8.0	0.43	6	2.4	0.60	8	6.70	12

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
T-1	13/05/80							
T-2	13/05/80	29	3.6	0.8			0.012	<0.001
T-3	13/05/80						0.011	<0.001
T-4	13/05/80	29	3.2	0.8			0.007	<0.001
AVERAGE		29	3.4	0.8			0.007	<0.001
							0.009	<0.001

WATERBODY: TROUT LAKE  
 TOWNSHIP: McDOUGALL  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°26'  
 LONGITUDE: 79°59'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80												
												6.39	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	13/05/80	27.8							1.66

WATERBODY: TROUT LAKE  
 TOWNSHIP: McDOUGALL  
 PROGRAM: TROUT LAKES

LATITUDE: 45°26'  
 LONGITUDE: 79°59'  
 SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/l	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
T-1	/05/80	0.032	0.30	0.002	0.008	8.0	0.45	5	34	11	7.10	3.0	0.80	1.0	0.45	3.8	0.4	9.4
	/06/80	0.012	0.27	0.002	0.008				32		7.45							8.3
	/07/80	0.016	0.26	0.001	0.009				30		6.48							7.2
	/08/80	0.012	0.23	0.001	0.004				29		6.23							6.2
	/09/80	0.018	0.25	<0.001	0.010	8.5	0.60	7	31	9	6.46	2.6	0.55	0.9	0.45	3.2	0.6	4.5
	/10/80	0.020	0.14	0.001	0.009				29		6.42							6.2
T-1B	/06/80	0.134	0.35	0.002	0.128				35		6.17							28.0
	/07/80	0.070	0.30	0.001	0.144				32		5.78							18.0
	/08/80	0.050	0.23	0.001	0.149				32		5.73							19.0
	/09/80	0.010	0.22	0.001	0.319	8.0	0.50	9	32	9	5.69	2.6	0.65	0.7	0.45	2.8	3.1	9.4
	/10/80	0.118	0.34	0.005	0.235				34		5.74							18.0
T-2	/05/80	0.036	0.34	0.002	0.003	8.0	0.40	7	31	9	6.69	2.6	0.70	0.9	0.40	3.8	0.4	9.8
	/06/80	0.012	0.25	0.002	0.003				30		6.86							8.0
	/07/80	0.008	0.41	0.001	0.004				29		6.56							6.0
	/08/80	0.010	0.44	0.001	0.004				29		6.18							6.8
	/09/80	0.020	0.26	<0.001	0.010	8.0	0.45	5	29	8	6.54	2.2	0.55	0.7	0.45	3.3	0.8	4.3
	/10/80	0.020	0.23	<0.001	0.009				30		6.29							5.4
T-2B	/06/80	0.108	0.32	0.002	0.123				34		6.18							24.0
	/07/80	0.058	0.25	0.002	0.128				31		5.92							23.0
	/08/80	0.170	0.44	0.004	0.226				35		5.83							26.0
	/09/80	0.014	0.22	0.002	0.293	8.0	0.45	5	33	9	5.89	2.6	0.70	0.8	0.45	2.5	2.9	9.3
	/10/80	0.144	0.30	0.004	0.260				34		5.85							21.0
Station		Date D/M/Y	Pb mg/L		Zn mg/L		Cd mg/L		Al mg/L		Cu mg/L		Fe mg/L		Cu mg/L		Ni mg/L	
T-1		/05/80	<0.03		<0.01		<0.005		<0.02						<0.01		0.02	
		/10/80	<0.03		<0.01		0.004		0.17		0.02		0.03		<0.01		<0.02	
T-1B		/10/80											0.87					
T-2		/05/80	0.03		<0.01		<0.005		<0.02						<0.01		<0.02	
		/10/80	<0.03		<0.01		<0.002		<0.02		<0.02		0.04		<0.01		<0.02	
T-2B		/10/80											1.50					



WATERBODY: TROUT LAKE  
 TOWNSHIP: McDOUGALL  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°26'  
 LONGITUDE: 79°59'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
15/10/80												6.415	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
15/10/80		31							8.83				

WATERBODY: TUCKER LAKE  
 TOWNSHIP: HUMPHREY  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°15'  
 LONGITUDE: 79°49'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
T-1	05/80	0.027	0.27	0.002	0.123	5.0	5.45	5	3.2	0.70		5.87	33
T-2	05/80	0.023	0.27	0.002	0.113	10.5	5.40	6	3.2	0.70	11	5.96	43
AVERAGE		0.025	0.27	0.002	0.118	7.8	5.43	6	3.2	0.70	11	5.92	38

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
T-1	05/80	55	6.1	1.2			0.017	<0.001					
T-2	05/80	55	6.1	1.0			0.009	<0.001					
AVERAGE		55	6.1	1.1			0.013	<0.001					

WATERBODY: TUCKER LAKE  
 TOWNSHIP: HUMPHREY  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°15'  
 LONGITUDE: 79°49'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
08/05/80												5.91	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
08/05/80		42.1							1.60				

WATERBODY: WATT LAKE      LATITUDE: 46°06'  
TOWNSHIP: PATTERSON      LONGITUDE: 79°47'  
PROGRAM: TROUTS LAKES      SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH3 mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
W-1	/05/80	0.010	0.24	0.001	0.029	9.5	0.55	10	48	16	7.16	4.6	1.1	1.0	0.70	4.5	2.0	5.7
	/06/80	0.016	0.24	0.001	0.004				43		7.16							7.5
	/07/80	0.028	0.23	0.001	0.009				43		7.38							6.1
	/09/80	0.030	0.24	0.002	0.003				39		6.78							8.4
	/10/80	0.020	0.26	0.001	0.014	11.0	0.20	9	44	15	6.39	4.0	1.2	1.1	0.65	3.9	2.0	7.3
W-1B	/05/80	0.012	0.24	0.001	0.104	10.5	0.55	10	48	16	6.66	4.6	1.2	1.0	0.70	4.2	3.0	
	/06/80	0.012	0.26	0.001	0.129				45		6.72							23.0
	/07/80	0.010	0.21	0.002	0.124				46		6.84							26.0
	/09/80	0.006	0.21	0.002	0.178				43		6.90							11.0
	/10/80	0.024	0.25	0.001	0.179	11.0	0.55	10	48	17	5.87	4.4	1.4	1.1	0.70	3.2	3.8	12.1
Station		Date D/M/Y		Pb mg/L	Zn mg/L	Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L		Ni mg/L		
W-1		/05/80		<0.003	<0.002	<0.0005		0.020						<0.002		<0.004		
		/10/80		<0.003	<0.001	<0.0002		0.027				0.07		0.001		<0.002		
W-1B		/05/80																
		/10/80												0.09				

WATERBODY: WATT LAKE  
TOWNSHIP: PATTERSON  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°06'  
LONGITUDE: 79°47'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
W-7	08/05/80	0.025	0.44	0.002	0.108	9.0	1.50	9	4.0	0.90	14	6.82	29
W-8	08/05/80	0.023	0.26	0.001	0.164	9.5	0.70	11	3.8	1.10	14	6.84	12
AVERAGE		0.024	0.35	0.002	0.136	9.3	1.10	10	3.9	1.00	14	6.83	21

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
W-7	08/05/80	4	6.2	2.0			0.011	0.001	1.5	0.75	0.20		
W-8	08/05/80	44	4.2	1.6			0.006	0.001	1.2	0.70	0.08		
AVERAGE		43	5.2	1.8			0.009	0.001	1.4	0.73	0.14		

WATERBODY: WATT LAKE  
TOWNSHIP: PATTERSON  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°06'  
LONGITUDE: 79°47'

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
---------	---------------	-------------------------	-------------	-------------------------	-------------------------	-------------------------	------------	-------------	------------	------------	--------------	----	------------------

02/09/80

7.092

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
---------	---------------	------------------	-------------	-------------	-------------	-------------	------------	-------------	-----------------	--	--	--	--

02/09/80

43

6.95

WATERBODY: WAHWASHKESH LAKE  
TOWNSHIP: MCKENZIE  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°41'  
LONGITUDE: 80°02'

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
W-1	07/05/80	0.020	0.29	0.002	0.223	8.0	1.75	7	3.4	0.75	12		26
W-2	07/05/80												
W-3	07/05/80	0.018	0.38	0.002	0.218	8.5	1.85	9	3.4	0.75	12		24
W-4	07/05/80												
W-5	07/05/80	0.012	0.29	0.002	0.218	8.0	1.95	9	3.8	0.75	13		26
W-6	07/05/80												
W-7	07/05/80	0.010	0.28	0.002	0.218	8.0	2.00	8	3.8	0.75	13		22
W-8	07/05/80												
AVERAGE		0.015	0.31	0.002	0.219	8.1	1.89	8	3.6	0.75	13		25

WATERBODY: WAHWAH KESH LAKE  
TOWNSHIP: MCKENZIE  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 45°41'  
LONGITUDE: 80°02'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L
W-1	07/05/80	40	5.3	1.2			0.012	0.001	1.7	0.65
W-2	07/05/80						0.013	0.001		
W-3	07/05/80	41	5.4	1.2			0.012	0.001	1.7	0.70
W-4	07/05/80						0.008	0.001		
W-5	07/05/80	42	5.8	1.2			0.008	0.001	1.8	0.55
W-6	07/05/80						0.009	0.001		
W-7	07/05/80	41	6.1	1.2			0.009	<0.001	1.8	0.55
W-8	07/05/80						0.010	<0.001		
AVERAGE		41	5.7	1.2			0.010	0.001	1.8	0.61

WATERBODY: WAHWAH KESH LAKE  
TOWNSHIP: MCKENZIE  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 45°43'  
LONGITUDE: 80°02'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	07/05/80												6.645
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
	07/05/80	43.4							3.863				

WATERBODY: WAHWASHKESH LAKE  
 TOWNSHIP: MCKENZIE  
 PROGRAM: TROUT LAKES

LATITUDE: 45°43'  
 LONGITUDE: 80°02'  
 SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
WK-1	/05/80	0.040	0.35	0.002	0.098	7.5	1.95	9	41		6.93	3.8	0.85	1.5	0.60	5.8	1.2	8.7
	/06/80	0.018	0.28	0.002	0.148				45		7.15							8.3
	/07/80	0.030	0.29	0.003	0.092				42		6.79							10.7
	/08/80	0.014	0.29	0.003	0.057				41		7.23							6.4
	/09/80	0.016	0.27	0.001	0.094	9.0	1.95	10	41	10	6.68	3.2	0.55	1.5	0.55	5.2	1.6	5.1
	/10/80	0.012	0.29	<0.001	0.145				41		6.60							6.2
WK-1B	/06/80	0.002	0.22	0.001	0.254				43		6.32							28.0
	/07/80	0.010	0.35	0.001	0.264				42		6.15							14.8
	/08/80	0.022	0.29	0.002	0.108				41		6.65							18.0
	/09/80	0.018	0.29	0.001	0.209	9.0	1.95	10	43	11	6.15	3.6	0.60	1.6	0.55	4.8	3.0	7.0
	/10/80	0.006	0.26	<0.001	0.295				43		6.16							8.2
WK-2	/05/80	0.026	0.32	0.002	0.079	7.5		8			6.92	4.0	0.80			5.7	1.0	17.1
	/06/80	0.022	0.32	0.002	0.143				42		7.08							6.8
	/07/80	0.040	0.32	0.003	0.087				43		6.95							8.2
	/08/80	0.010	0.26	0.002	0.258				43		6.21							7.1
	/09/80	0.018	0.32	0.001	0.104	9.0	2.05	8	41	11	6.80	3.4	0.55	1.6	0.55	5.1	1.4	4.9
	/10/80	0.014	0.29	<0.001	0.140				41		6.55							6.2
WK-2B	/06/80	0.002	0.28	0.001	0.264				42		6.31							14.6
	/07/80	0.046	0.26	0.002	0.263				42		6.16							12.6
	/08/80	0.006	0.25	0.001	0.264				42		6.15							13.3
	/09/80	0.012	0.25	0.001	0.279	9.0	2.00	16	42	11	6.20	3.4	0.60	1.4	0.60	4.6	2.6	6.7
	/10/80	0.004	0.26	<0.001	0.290				41		6.13							7.3
WK-3	/05/80	0.044	0.32	0.002	0.122	7.5	1.80	8	41	41	6.90	3.6	0.75	1.5	0.70	5.4	1.2	8.8
	/06/80	0.020	0.26	0.002	1.530				40		6.98							8.4
	/07/80	0.016	0.29	0.003	0.062				42		7.22							20.0
	/08/80	0.022	0.29	0.003	0.042				41		6.76							7.3
	/09/80	0.030	0.29	0.001	0.074	8.5	1.95	10	42	10	6.66	3.2	0.60	1.7	0.60	4.9	1.4	35.0
	/10/80	0.030	0.30	<0.001	0.135				41		6.65							8.2
WK-3B	/06/80	0.016	0.28	0.001	0.253				42		6.20							14.4
	/07/80	0.016	0.25	0.002	0.268				42		6.65							13.8
	/08/80	0.014	0.29	0.002	0.263				43		6.05							23.0
	/09/80	0.008	0.29	0.001	0.284	9.0	1.90	17	43	11	6.09	3.4	0.65	1.5	0.60	4.8	3.2	12.4
	/10/80	0.008	0.27	<0.001	0.315				41		6.06							13.9
WK-4	/05/80	0.042	0.37	0.002	0.097	8.0		7			6.92	3.6	0.75	1.6	0.75	5.0	1.0	9.9
	/06/80	0.060	0.29	0.003	0.147				41		6.96							11.6
	/07/80	0.032	0.29	0.004	0.061				42		7.37							10.5
	/08/80	0.026	0.30	0.003	0.032				41		6.69							11.3
	/09/80	0.046	0.31	0.001	0.079	9.0	1.90	8	42	10	6.75	3.2	0.60	1.7	0.60	5.1	1.6	8.2
	/10/80	0.034	0.31	0.001	0.129				41		6.80							9.8



WATERBODY: WAHWAH KESH LAKE  
TOWNSHIP: McKENZIE  
PROGRAM: TROUT LAKES

LATITUDE: 45°43'  
LONGITUDE: 80°02'  
SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
WK-4B	/06/80	0.038	0.32	0.001	0.274				42		6.36							13.5
	/07/80	0.008	0.22	0.002	0.278				42		6.34							13.5
	/08/80	0.010	0.26	0.002	0.288				43		6.05							18.0
	/09/80	0.012	0.27	0.001	0.299	9.0	1.85	9	44	12	6.19	3.4	0.85	1.6	0.65	4.5	3.4	16.0
	/10/80	0.014	0.32	0.002	0.293				46		6.61							29.0
WK-5	/05/80	0.040	0.30	0.002	0.060	7.5	1.75	9	40		6.87	3.6	0.75	1.6	0.70	5.0	1.0	12.9
	/06/80	0.038	0.32	0.006	0.149				40		6.93							10.6
	/07/80	0.016	0.34	0.003	0.062				41		7.00							10.6
	/08/80	0.024	0.29	0.002	0.033				41		6.68							13.9
	/09/80	0.040	0.29	0.001	0.079	9.0	1.85	11	42	11	6.75	3.2	0.80	1.7	0.65	5.0	1.6	8.4
	/10/80	0.030	0.31	0.001	0.134				42		6.84							9.1
WK-5B	/06/80	0.034	0.25	0.001	0.274				42		6.24							13.8
	/07/80	0.016	0.24	0.002	0.288				42		6.11							13.8
	/08/80	0.012	0.26	0.002	0.283				42		6.01							29.0
	/09/80	0.010	0.24	0.001	0.297	9.0	1.85	7	43	11	6.05	3.2	0.85	1.6	0.65	4.4	2.6	10.0
	/10/80	0.016	0.28	<0.001	0.240	-			43		6.38							19.0
Station		Date D/M/Y		Pb mg/L		Zn mg/L		Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L		Ni mg/L
WK-1	/05/80			<0.03		<0.01		<0.005		0.04						<0.01		<0.02
	/10/80			<0.03		<0.01		<0.002		0.07		<0.02		0.10		<0.01		<0.02
WK-1B	/10/80													0.13				
WK-2	/05/80			<0.03		<0.01		<0.005		0.08						<0.01		<0.02
	/10/80			<0.03		<0.01		<0.002		0.13		<0.02		0.07		<0.01		<0.02
WK-2B	/10/80													0.13				
WK-3	/05/80			<0.03		<0.01		<0.005		0.07						<0.01		<0.02
	/10/80			<0.03		<0.01		<0.002		0.05		<0.02		0.11		<0.01		<0.02
WK-3B	/10/80													0.13				
WK-4	/05/80			<0.03		<0.01		<0.005		0.08						<0.01		<0.02
	/10/80			<0.03		<0.01		<0.002		0.13		<0.02		0.20		0.01		<0.02
WK-4B	/10/80													1.50				
WK-5	/05/80			<0.03		<0.01		<0.005		0.13						<0.01		<0.02
	/10/80			<0.03		<0.01		<0.002		0.11		<0.02		0.22		<0.01		<0.02
WK-5B	/10/80													0.20				



S U D B U R Y   D I S T R I C TPage

APSEY LAKE	6-1
BETHEL LAKE	6-1
CARTIER LAKE	6-2
FAIRBANKS LAKE	6-3
FIVE MILE LAKE	6-4
GRIFFEN LAKE	6-4
GROUNDHOG LAKE	6-5
HAMILTON LAKE	6-5
IVANHOE LAKE	6-5
LEAST LAKE	6-6
LONG LAKE	6-6
McFARLANE LAKE	6-7
MINNOW LAKE	6-8
RAMSEY LAKE	6-8
SAMPLE LAKE	6-9
SEVEN MILE LAKE	6-9
SHEPPARD LAKE	6-10
SIMON LAKE	6-10
TYSON LAKE	6-11
UNEGAM LAKE	6-11
WHITEWATER LAKE	6-11
WINDY LAKE	6-14



WATERBOOY: APSEY LAKE  
 TOWNSHIP: MERRIT  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°13'  
 LONGITUDE: 81°47'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
A-1	12/05/80												
A-2	12/05/80	0.060	0.35	0.002	0.033	10.5	6.40	20	8.0	1.85	28	6.66	12
A-3	12/05/80	0.092	0.40	0.002	<0.005	10.0	6.15	19	7.6	1.60	26	7.05	11
A-4	12/05/80												
AVERAGE		0.076	0.38	0.002	0.019	10.3	6.28	20	7.8	1.73	27	6.86	12
Station	Date O/M/Y	CONO. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	ORP mg/L	Na mg/L	K mg/L			
A-1	12/05/80						0.012	0.001					
A-2	12/05/80	85	4.6	4.4			0.012	0.002	4.5	0.75			
A-3	12/05/80	80	4.6	4.4			0.015	0.002	4.5	0.75			
A-4	12/05/80						0.014	0.001					
AVERAGE		83	4.6	4.4			0.013	0.002	4.5	0.75			

WATERBOOY: APSEY LAKE  
 TOWNSHIP: MERRITT  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°13'  
 LONGITUDE: 81°47'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date O/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	12/05/80												7.04
Station	Date O/M/Y	CONO. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	ORP mg/L	TIP/ALK mg/L				
	12/05/80	82.0							25.86				

WATERBOOY: BETHEL LAKE  
 TOWNSHIP: MCKIM  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°28'  
 LONGITUDE: 80°57'  
 SAMPLE TYPE: COMPOSITE

Station	Date O/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
B-1	13/05/80	0.076	0.78	0.002	0.003	15.0	95	50	18.8	6.5	74	7.21	21
B-2	13/05/80	0.090	0.99	0.002	0.003	15.5	95	49	19.6	7.0	78	7.35	22
AVERAGE		0.083	0.89	0.002	0.003	15.3	95	50	19.2	6.8	76	7.28	22

WATERBODY: BETHEL LAKE  
TOWNSHIP: McKIM  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°28'  
LONGITUDE: 80°57'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
B-1	13/05/80	425	5.5	11.6			0.385	0.280
B-2	13/05/80	425	5.6	11.4			0.380	0.280
AVERAGE		425	5.6	11.5			0.383	0.280

WATERBODY: BETHEL LAKE  
TOWNSHIP: McKIM  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°28'  
LONGITUDE: 80°57'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80												7.67

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	13/05/80	425							36.06

WATERBODY: CARTIER LAKE  
TOWNSHIP: CARTIER  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°40'  
LONGITUDE: 81°32'  
SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	07/08/80												6.392

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	07/08/80	134							2.37

WATERBODY: FAIRBANK LAKE  
 TOWNSHIP: FAIRBANK  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°28'  
 LONGITUDE: 81°26'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
F-1	07/05/80	0.054	0.27	0.026	0.234	29.0	6.90	26	13.2	1.95	41	7.47	5
F-2	07/05/80												
F-3	07/05/80	0.042	0.16	0.026	0.229	28.0	6.80	27	13.0	1.90	40	7.50	1
F-4	07/05/80												
AVERAGE		0.048	0.22	0.026	0.232	29.0	6.85	27	13.1	1.93	41	7.49	3
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
F-1	07/05/80	145	2.4	6.2			0.018	0.001					
F-2	07/05/80						0.007	0.001					
F-3	07/05/80	140	2.3	6.2			0.008	0.001					
F-4	07/05/80						0.008	0.002					
AVERAGE		143	2.4	6.2			0.011	0.001					

WATERBODY: FAIRBANK LAKE  
 TOWNSHIP: FAIRBANK  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°28'  
 LONGITUDE: 81°26'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80											7.14	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
	13/05/80	61.5							10.80				

WATERBODY: FIVE-MILE LAKE  
TOWNSHIP: 11D & 11E  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°34'  
LONGITUDE: 83°16'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
19/08/80												7.232	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
19/08/80										146	66.65		

WATERBODY: GRIFFEN LAKE  
TOWNSHIP: MERRIT  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°14'  
LONGITUDE: 81°45'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
G-1	13/05/80	0.086	0.42	0.002	0.003	11.0	10.5	33	10.6	1.80	34	7.45	9
G-2	13/05/80												
G-3	13/05/80	0.068	0.49	0.002	0.003	11.0	9.5	32	11.0	1.70	34	7.43	9
G-4	13/05/80												
AVERAGE		0.077	0.46	0.002	0.003	11.0	10.0	33	10.8	1.75	34	7.44	9

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L		
G-1	13/05/80	125	3.9	8.0			0.026	0.001	6.6	0.90	0.03		
G-2	13/05/80						0.023	0.001					
G-3	13/05/80	125	4.0	8.0			0.023	0.002	6.5	0.80	0.03		
G-4	13/05/80						0.021	0.001					
AVERAGE		125	4.0	8.0			0.023	0.001	6.6	0.85	0.03		

WATERBODY: GRIFFEN LAKE  
TOWNSHIP: MERRITT  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°13'  
LONGITUDE: 81°45'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
12/05/80												7.29	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
12/05/80										119.0	29.63		



LATITUDE: 48°06'  
LONGITUDE: 82°15'

WATERBODY: HAMILTON LAKE                      LATITUDE: 47°32'  
TOWNSHIP: STROM                                      LONGITUDE: 83°00'  
PROGRAM: MISCELLANEOUS LAKES                SAMPLE TYPE: TUBE COMPOSITE

WATERBODY:	IVANHOE LAKE	LATITUDE:	48°08'
TOWNSHIP:	IVANHOE	LONGITUDE:	82°30'
PROGRAM:	SPRING PHOSPHORUS	SAMPLE TYPE:	COMPOSITE

[illegible]

WATERBODY: IVANHOE LAKE  
 TOWNSHIP: IVANHOE  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°08'  
 LONGITUDE: 82°30'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
I-1	24/05/80						0.018	<0.001
I-2	24/05/80						0.015	<0.001
AVERAGE							0.017	<0.001

WATERBODY: LEAST LAKE  
 TOWNSHIP: NIMITZ  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 47°36'  
 LONGITUDE: 83°13'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	19/08/81												5.60

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	19/08/81	21							0.21

WATERBODY: LONG LAKE  
 TOWNSHIP: EDEN  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°22'  
 LONGITUDE: 81°05'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
L-1	15/05/80												
L-2	15/05/80	0.040	0.26	0.004	0.121	20.0	21.5	15	10.0	2.45	35	7.16	9
L-3	15/05/80												
L-4	15/05/80	0.030	0.29	0.004	0.116	20.5	17.0	14	9.0	2.35	32	7.17	7
L-5	15/05/80												
L-6	15/05/80	0.020	0.24	0.002	0.078	19.0	12.0	15	7.8	1.95	28	7.26	2
AVERAGE		0.030	0.26	0.003	0.105	19.8	16.8	15	8.9	2.25	32	7.20	6

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
L-1	15/05/80						0.009	<0.001
L-2	15/05/80	150	3.2	3.6			0.010	<0.001
L-3	15/05/80						0.009	<0.001
L-4	15/05/80	130	2.8	3.0			0.005	<0.001
L-5	15/05/80						0.025	<0.001
L-6	15/05/80	110	2.6	2.8			0.006	<0.001
AVERAGE		130	2.9	3.1			0.011	<0.001

WATERBODY: LONG LAKE  
TOWNSHIP: EDEN & BRODER  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°22'  
LONGITUDE: 81°05'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
15/05/80												6.94	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
15/05/80												9.70	

WATERBODY: McFARLANE LAKE  
TOWNSHIP: BRODER  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°25'  
LONGITUDE: 80°59'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	15/05/80	0.084	0.41	0.001	0.009	24.0	40.5	26	15.4	3.70	54	7.65	12
M-2	15/05/80												
M-3	15/05/80												
M-4	15/05/80	0.040	0.35	0.001	0.024	24.0	40.5	26	15.2	4.05	55	7.55	9
AVERAGE		0.062	0.38	0.001	0.017	24.0	40.5	26	15.3	3.88	55	7.60	11
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L			
M-1	15/05/80	245	3.4	6.4			0.015	<0.001					
M-2	15/05/80						0.016	<0.001					
M-3	15/05/80						0.016	<0.001					
M-4	15/05/80	245	3.3	6.4			0.014	<0.001					
AVERAGE		245	3.4	6.4			0.015	<0.001					

WATERBODY: McFARLANE LAKE  
TOWNSHIP: BRODER  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°22'  
LONGITUDE: 81°05'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
15/05/80												6.42	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
15/05/80												9.70	

WATERBODY: MINNOW LAKE  
TOWNSHIP: MCKIM  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°29'  
LONGITUDE: 80°57'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
M-1	15/05/80	0.314	0.72	0.009	0.181	31.0	120	35	20	4.25	67	7.09	26
M-2	15/05/80												
M-3	15/05/80	0.294	0.68	0.009	0.176	31.0	113	34	21	4.00	69	7.23	27
M-4	15/05/80												
AVERAGE		0.304	0.70	0.009	0.179	31.0	117	35	21	4.13	68	7.16	27
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
M-1	15/05/80	550	3.5	8.0			0.030	0.001					
M-2	15/05/80						0.029	0.001					
M-3	15/05/80	550	3.5	7.6			0.029	0.001					
M-4	15/05/80						0.050	0.001					
AVERAGE		550	3.5	7.8			0.035	0.001					

WATERBODY: MINNOW LAKE  
TOWNSHIP: MCKIM  
PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°29'  
LONGITUDE: 80°57'  
SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
13/05/80												7.53	
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L				
13/05/80		520							31.37				

WATERBODY: RAMSEY LAKE  
TOWNSHIP: MCKIM  
PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°29'  
LONGITUDE: 80°57'  
SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
R-1	13/05/80												
R-2	13/05/80	0.034	0.29	0.003	0.017	30.5	41.0	20	14.4	3.65	51	7.12	12
R-3	13/05/80	0.024	0.26	0.003	0.037	30.5	41.5	18	14.2	3.70	51	7.06	15
R-4	13/05/80												
AVERAGE		0.029	0.28	0.003	0.027	30.5	41.3	19	14.3	3.68	51	7.09	14



WATERBODY: RAMSEY LAKE  
 TOWNSHIP: McKIM  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°29'  
 LONGITUDE: 80°57'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
R-1	13/05/80						0.012	0.002
R-2	13/05/80	245	3.0	3.6			0.009	0.002
R-3	13/05/80	250	2.9	2.9			0.012	0.002
R-4	13/05/80						0.010	0.001
AVERAGE		248	3.0	3.3			0.011	0.002

WATERBODY: RAMSEY LAKE  
 TOWNSHIP: McKIM  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°29'  
 LONGITUDE: 80°57'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80											7.29	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	13/05/80	244							14.77

WATERBODY: SAMPLE LAKE  
 TOWNSHIP: 126  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°36'  
 LONGITUDE: 83°32'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	19/08/80											7.498	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	19/08/80	80							31.33

WATERBODY: SEVEN MILE LAKE  
 TOWNSHIP: 29  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°43'  
 LONGITUDE: 83°23'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	19/08/80											5.608	

WATERBODY: SEVEN MILE LAKE  
 TOWNSHIP: 29  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°43'  
 LONGITUDE: 83°23'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	19/08/80	13.8							0.01

WATERBODY: SHEPPARD LAKE  
 TOWNSHIP: 11H  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°31'  
 LONGITUDE: 83°36'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	19/08/80												7.237

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	19/08/80	80							28.81

WATERBODY: SIMON LAKE  
 TOWNSHIP: GRAHAM  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 49°18'  
 LONGITUDE: 81°18'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
S-1	13/05/80	2.40	8.74	0.071	0.699	331	67	25	83	13.5	263	7.28	23
S-2	13/05/80												
S-3	13/05/80												
S-4	13/05/80	6.40	8.81	0.066	0.704	322	62	26	82	12.0	254	7.22	30
AVERAGE		4.40	8.77	0.069	0.702	327	65	26	83	12.8	259	7.25	27

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
S-1	13/05/80	950	5.1	5.6			0.096	0.002
S-2	13/05/80						0.090	0.002
S-3	13/05/80						0.088	0.001
S-4	13/05/80	900	4.9	6.0			0.088	0.003
AVERAGE		925	5.0	5.8			0.091	0.002



WATERBODY: TYSON LAKE  
 TOWNSHIP: SALE  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°07'  
 LONGITUDE: 81°07'  
 SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
26/08/80												5.575	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
26/08/80									0.05

WATERBODY: UNEGAM LAKE  
 TOWNSHIP: NIMITZ & 11D  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°35'  
 LONGITUDE: 83°14'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
19/08/80												7.632	

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
19/08/80									40.11

WATERBODY: WHITEWATER LAKE  
 TOWNSHIP: RAYSIDE  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°32'  
 LONGITUDE: 81°09'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
W-1	13/05/80												
W-2	13/05/80	0.048	0.32	0.002	0.003	25.5	8.10	28	13.8	3.45	49	6.98	19
W-3	13/05/80												
W-4	13/05/80	0.060	0.38	0.002	0.003	25.0	8.65	31	15.0	3.70	53	7.12	22
AVERAGE		0.054	0.35	0.002	0.003	25.3	8.38	30	14.4	3.58	51	7.05	21

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
W-1	13/05/80						0.017	0.001
W-2	13/05/80	140	3.4	6.2			0.014	0.001
W-3	13/05/80						0.018	0.001
W-4	13/05/80	150	3.4	7.0			0.018	0.001
AVERAGE		145	3.4	6.6			0.017	0.001

WATER BODY: WHITE WATER LAKE  
TOWNSHIP: RAYSIDE, SNIDER  
PROGRAM: TROPHIC STATUS

LATITUDE: 46°32'  
LONGITUDE: 81°09'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	C1 mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
WW-1	/01/80	0.219	0.85	0.002	0.117	39.5	13.5	34	202	67	6.66	18.8	4.90	9.5	1.70	6.1	10.2	0.022
	/03/80	0.152	0.66	0.004	0.181	58	19	54	300	110	6.77	31	8.0	12	2.05	7.5	15.2	0.022
	/06/80	0.038	0.29	0.001	<.001	27	10.5	38	170	55		15.6	3.95	6.0	1.25	4.2	8.2	0.015
	/08/80	0.010	0.28	0.001	0.004	22	11.5	47	180	67	8.35	18.4	5.0	7.0	1.1	4.1	10.6	0.011
WW-2	/01/80	0.122	0.43	0.005	0.299	45.5	8.95	39	208	75	7.02	21	5.5	6.5	1.45	4.6	10.0	0.011
	/03/80	0.102	0.49	0.004	0.141	56	14.0	56	280	113	6.80	32	8.0	9.5	2.10	6.0	16.4	0.018
	/06/80	0.030	0.29	0.001	<.001	27	11	39	170	56		15.6	4.15	6.2	1.20	4.2	8.4	0.016
	/08/80	0.016	0.30	0.001	<.005	21.5	11.5	49	180	68	7.99	18.0	5.5	7.3	1.2	4.0	11.2	0.017
WW-3	/01/80	0.058	0.47	0.004	0.158	52.5	16.5	42	249	85	7.19	24	6.0	10	1.80	5.5	10.6	0.015
	/03/80	0.056	0.62	0.003	0.072	57	15.0	51	275	103	6.90	29	7.5	10	2.05	5.9	13.8	0.029
	/05/80	0.048	0.32	0.002	0.003	25.5	8.10	28	140	49	6.98	13.8	3.45			3.4	6.2	0.017
	/06/80	0.052	0.34	0.001	<.001	27.0	10.0	38	170	55		15.2	4.05	6.3	1.25	4.2	8.2	0.017
	/08/80	0.010	0.32	0.001	<.005	23.0	11.0	45	175	65	8.01	17.6	5.0	6.7	1.3	4.0	10.0	0.015
WW-4	/01/80	0.016	0.28	0.002	0.027	34.5	9.9	36	180	65	7.40	18.2	4.70	6.6	1.40	4.4	8.8	0.013
	/03/80	0.030	0.33	0.003	0.082	36	10.5	39	195	73	6.95	20	5.5	7.2	1.40	4.6	10.0	0.021
	/06/80	0.052	0.32	0.001	<.001	29	9.50	33	160	52		14.4	3.80	5.9	1.20	4.1	7.4	0.022
	/08/80	0.014	0.32	0.001	<.005	24.5	10.0	39	170	63	8.01	17.0	5.0	6.3	1.3	3.9	8.6	0.034
WW-5	/01/80	0.043	0.35	0.002	0.046	34.0	9.2	36	175	63	7.22	17.8	4.55	6.2	1.40	4.8	8.4	0.013
	/01/80	0.020	0.30	0.002	0.068	35.5	10.5	39	190	70	7.03	20	4.90	6.9	1.40	4.5	9.0	0.30
	/06/80	0.046	0.34	0.001	0.022	29.0	9.50	33	160	52		14.4	3.95	5.7	1.20	4.1	7.4	0.022
WW-6	/01/80	0.029	0.31	0.002	0.036	33.5	9.2	35	176	63	7.23	17.6	4.55	6.3	1.35	4.7	8.4	0.011
	/03/80	0.122	0.50	0.003	0.272	34.0	10.0	34	180	66	6.92	18.8	4.55	6.6	1.35	4.8	8.8	0.50
	/05/80	0.060	0.38	0.002	0.003	25.0	8.65	31	150	53	7.12	15.0	3.70			3.4	7.0	0.020
	/06/80	0.044	0.30	0.001	<.001	28.5	9.50	33	160	51		14.2	3.80	5.9	1.20	4.1	7.2	0.021

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Cr mg/L	Fe mg/L	Cu mg/L	Ni mg/L
WW-1	/01/80	<.006	0.052	<.001	0.25	<.004		0.049	0.42
	/03/80								
	/06/80	<.006	0.007	<.0005	0.058	<.002	0.08	0.020	0.18
	/08/80						0.05		
WW-2	/01/80	0.008	0.024	<.001	.004	<.004		0.039	0.63
	/03/80								
	/06/80	<.006	0.002	<.0005	0.079	<.002	0.10	0.020	0.16
	/08/80						0.06		
WW-3	/01/80	<.006	0.032	<.001	0.16	<.004		0.058	0.70
	/03/80								
	/05/80								
	/06/80	<.006	0.044	<.0005	0.079	<.002	0.08	0.025	0.19
	/08/80						0.06		

WATERBODY: WHITE WATER LAKE  
 TOWNSHIP: RAYSIDE, SNIDER  
 PROGRAM: TROPHIC STATUS

LATITUDE: 46°32'  
 LONGITUDE: 81°09'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Cr mg/L	Fe mg/L	Cu mg/L	Ni mg/L
WW-4	/01/80	<.006	0.010	<.001	0.020	<.004		0.020	0.38
	/03/80								
	/06/80	<.006	0.020	<.0005	0.049	<.002	0.08	0.025	0.28
	/08/80						0.05		
WW-5	/01/80	0.040	0.010	<.001	0.030	<.004		0.022	0.38
	/03/80								
	/06/80	0.009	0.002	<.0005	0.040	<.002	0.06	0.020	0.29
WW-6	/01/80	<.006	0.010	<.001	0.040	<.004		0.024	0.40
	/03/80								
	/05/80								
	/06/80	<.006	0.008	<.0005	0.13	<.002	0.06	0.020	0.28

WATERBODY: WHITEWATER LAKE  
 TOWNSHIP: RAYSIDE & SNIDER  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°32'  
 LONGITUDE: 81°09'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	13/05/80												7.65

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	13/05/80	167.0							36.06

WATERBODY: WINDY LAKE  
 TOWNSHIP: CASCADE  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 46°36'  
 LONGITUDE: 81°27'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
W-1	21/05/80	0.012	0.17	0.002	0.113	11.5	4.30	6	3.8	1.00	14	6.51	1
W-2	21/05/80												
W-3	21/05/80												
W-4	21/05/80	0.006	0.02	0.002	0.118	11.0	4.25	5	4.0	0.95	14	6.59	2
AVERAGE		0.009	0.10	0.002	0.116	11.3	4.28	6	3.9	0.98	14	6.55	2

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	Na mg/L	K mg/L	Fe mg/L
W-1	21/05/80	55	2.2	0.4			0.005	<0.001	3.0	0.45	0.04
W-2	21/05/80						0.005	<0.001			
W-3	21/05/80						0.006	<0.001			
W-4	21/05/80	55	2.2	0.4			0.005	<0.001	3.0	0.50	0.04
AVERAGE		55	2.2	0.4			0.005	<0.001	3.0	0.48	0.04

WATERBODY: WINDY LAKE  
 TOWNSHIP: CASCADE & DOWLING  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 46°36'  
 LONGITUDE: 81°27'  
 SAMPLE TYPE: TUBE COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
	21/05/80												6.22

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L	TIP/ALK mg/L
	21/05/80	51.0							1.77

TIMISKAMING DISTRICT

	<u>Page</u>
KEEFER LAKE	7-1
KENOGAMI LAKE	7-1
LADY EVELYN LAKE	7-2
LARDER LAKE	7-2
OTTO LAKE	7-3
PURDY (BERYL) LAKE	7-3
ROUND LAKE	7-3
STAR LAKE	7-4
STAR LAKE, LITTLE	7-5
SESIKINIKA LAKE	7-5
WENDIGO LAKE	7-6





WATERBODY: KEEFER LAKE  
 TOWNSHIP: KEEFER-HILLARY  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°17'  
 LONGITUDE: 81°47'  
 SAMPLE TYPE: COMPOSITE

Station	Date O/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARO mg/L	pH	COLOR Haz. U.
K-1	15/05/80												
K-2	15/05/80												
K-3	15/05/80												
K-4	15/05/80	0.028	0.30	0.003	0.137	6.5	0.85	56	18.2	3.0	169	7.79	5
AVERAGE		0.028	0.30	0.003	0.137	6.5	0.85	56	18.2	3.0	169	7.79	5
Station	Date D/M/Y	COND. umho/cm	OOC mg/L	OIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
K-1	15/05/80						0.005	0.002					
K-2	15/05/80						0.007	0.001					
K-3	15/05/80						0.004	0.001					
K-4	15/05/80	125	5.6	12.2			0.010	0.001					
AVERAGE		125	5.6	12.2			0.007	0.001					

WATERBODY: KENOGAMI LAKE  
 TOWNSHIP: GRENELL & EBY  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°06'  
 LONGITUDE: 80°14'  
 SAMPLE TYPE: COMPOSITE

Station	Date O/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARO mg/L	pH	COLOR Haz. U.
K-1	22/05/80												
K-2	22/05/80												
K-3	22/05/80												
K-4	22/05/80												
K-5	22/05/80												
K-6	22/05/80												
K-7	22/05/80	0.060	0.42	0.002	0.013	8.0	2.05	22	8.0	1.45	26	7.25	46
K-8	22/05/80	0.124	0.56	0.002	0.003	8.0	2.45	24	8.6	1.65	28	7.17	48
AVERAGE		0.092	0.49	0.002	0.008	8.0	2.25	23	8.3	1.55	27	7.21	47
Station	Date O/M/Y	COND. umho/cm	OOC mg/L	OIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	ORP mg/L					
K-1	22/05/80						0.020	0.002					
K-2	22/05/80						0.019	0.002					
K-3	22/05/80						0.021	0.002					
K-4	22/05/80						0.018	0.002					
K-5	22/05/80						0.021	0.003					
K-6	22/05/80						0.022	0.004					
K-7	22/05/80	65	9.1	5.0									
K-8	22/05/80	70	9.6	6.0									
AVERAGE		68	9.4	5.5			0.020	0.003					

WATERBODY: LADY EVELYN LAKE  
 TOWNSHIP: LEO, DANE; MEDINA  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 47°20'  
 LONGITUDE: 80°10'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	TIP ALK mg/L	pH	COND. umho/cm
	04/08/80	4.25	6.392	38

WATERBODY: LARDER LAKE  
 TOWNSHIP: HEARST, McFADDEN  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°05'  
 LONGITUDE: 79°38'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
L- 1	21/05/80												
L- 2	21/05/80												
L- 3	21/05/80												
L- 4	21/05/80												
L- 5	21/05/80												
L- 6	21/05/80												
L- 7	21/05/80												
L- 8	21/05/80												
L- 9	21/05/80												
L-10	21/05/80	0.016	0.31	0.002	0.453	22.5	4.10	35	15.4	3.55	53	7.52	21
L-11	21/05/80	0.026	0.34	0.003	0.482	22.0	3.90	35	14.8	3.60	52	7.57	24
L-12	21/05/80	0.024	0.31	0.002	0.518	24.0	4.10	36	15.2	3.80	54	7.67	22
AVERAGE		0.022	0.32	0.002	0.484	22.8	4.03	35	15.1	3.65	53	7.59	22

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
L- 1	21/05/80						0.012	0.003
L- 2	21/05/80						0.014	0.003
L- 3	21/05/80						0.011	0.002
L- 4	21/05/80						0.011	0.001
L- 5	21/05/80						0.011	0.002
L- 6	21/05/80						0.010	0.003
L- 7	21/05/80						0.008	0.002
L- 8	21/05/80						0.009	0.002
L- 9	21/05/80						0.009	0.004
L-10	21/05/80	135	5.8	8.4				
L-11	21/05/80	135	6.0	8.4				
L-12	21/05/80	140	5.2	8.4				
AVERAGE		137	5.7	8.4			0.011	0.003

WATERBODY: OTTO LAKE  
 TOWNSHIP: OTTO  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°06'  
 LONGITUDE: 80°06'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	TP mg/L	DRP mg/L
0-1	21/05/80	0.028	0.003
0-2	21/05/80	0.022	0.002
0-3	21/05/80	0.028	0.003
0-4	21/05/80	0.025	0.003
AVERAGE		0.026	0.003

WATERBODY: PURDY (BERYL) LAKE  
 TOWNSHIP: GRENFELL  
 PROGRAM: MISCELLANEOUS LAKES

LATITUDE: 48°10'  
 LONGITUDE: 80°14'  
 SAMPLE TYPE: SURFACE GRAB

Station	Date D/M/Y	TIP ALK mg/L	pH	COND. umho/cm
1	10/08/80	-0.62	5.003	17
2	10/08/80	-0.71	5.006	17

WATERBODY: ROUND LAKE  
 TOWNSHIP: OTTO & MARQUIS  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°01'  
 LONGITUDE: 80°02'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
R-1	22/05/80												
R-2	22/05/80												
R-3	22/05/80												
R-4	22/05/80												
R-5	22/05/80												
R-6	22/05/80												
R-7	22/05/80	0.390	0.95	0.016	0.104	13.5	3.90	38	13.4	2.75	45	7.20	51
R-8	22/05/80	0.196	0.63	0.016	0.984	13.0	6.00	38	13.4	2.75	45	7.26	50
AVERAGE		0.293	0.79	0.016	0.544	13.3	4.95	38	13.4	2.75	45	7.23	51

## CONTINUED

WATERBODY: ROUND LAKE      LATITUDE: 48°01'  
 TOWNSHIP: OTTO & MARQUIS      LONGITUDE: 80°02'  
 PROGRAM: SPRING PHOSPHORUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
R-1	22/05/80						0.155	0.120
R-2	22/05/80						0.112	0.066
R-3	22/05/80						0.052	0.026
R-4	22/05/80						0.067	0.033
R-5	22/05/80						0.063	0.031
R-6	22/05/80						0.150	0.116
R-7	22/05/80	120	9.0	10.0				
R-8	22/05/80	120	9.1	9.2				
AVERAGE		120	9.1	9.6			0.100	0.065

WATERBODY: STAR LAKE      LATITUDE: 48°21'  
 TOWNSHIP: KEEFER      LONGITUDE: 81°46'  
 PROGRAM: SPRING PHOSPHORUS      SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
S-1	/05/80												
S-2	/05/80												
S-3	/05/80												
S-4	/05/80	0.040	0.035	0.003	0.052	7.5	1.55	77	25	3.70	78	7.62	17
AVERAGE		0.040	0.035	0.003	0.052	7.5	1.55	77	25	3.70	78	7.62	17

Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L
S-1	05/80						0.012	<0.001
S-2	05/80						0.011	<0.001
S-3	05/80						0.008	<0.001
S-4	05/80	165	5.4	18.2			0.015	<0.001
AVERAGE		165	5.4	18.2			0.012	<0.001

WATERBODY: STAR LAKE, LITTLE  
 TOWNSHIP: KEEFER  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°20'  
 LONGITUDE: 81°47'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
L-1													
L-2													
L-3													
L-4		0.044	0.33	0.004	0.011	8.5	0.40	82	27	4.15	85	7.73	15
AVERAGE		0.044	0.33	0.004	0.011	8.5	0.40	82	27	4.15	85	7.73	15
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
L-1							0.010	0.001					
L-2							0.011	0.001					
L-3							0.017	0.001					
L-4		170	3.8	19.6			0.010	0.001					
AVERAGE		170	3.8	19.6			0.012	0.001					

WATERBODY: SESIKINIKA LAKE  
 TOWNSHIP: MAISONVILLE, GRENFELL  
 PROGRAM: SPRING PHOSPHORUS

LATITUDE: 48°11'  
 LONGITUDE: 80°14'  
 SAMPLE TYPE: COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
S-1	22/05/80												
S-2	22/05/80												
S-3	22/05/80												
S-4	22/05/80	0.058	0.37	0.002	0.003	7.5	1.50	20	7.6	1.40	25	7.34	36
AVERAGE		0.058	0.37	0.002	0.003	7.5	1.50	20	7.6	1.40	25	7.34	36
Station	Date D/M/Y	COND. umho/cm	DOC mg/L	DIC mg/L	TOC mg/L	TIC mg/L	TP mg/L	DRP mg/L					
S-1	22/05/80						0.011	0.001					
S-2	22/05/80						0.016	0.003					
S-3	22/05/80						0.014	0.002					
S-4	22/05/80	60	7.4	4.6									
AVERAGE		60	7.4	4.6			0.014	0.002					

---

WATERBODY:	WENDIGO LAKE	LATITUDE:	47°52'
TOWNSHIP:	BAYLY	LONGITUDE:	79°43'
PROGRAM:	SPRING PHOSPHORUS	SAMPLE TYPE:	COMPOSITE

---

---

Station	Date D/M/Y	TP mg/L	DRP mg/L
W-1	21/05/80	0.010	<0.001
W-2	21/05/80	0.010	<0.001
W-3	21/05/80	0.010	<0.001
W-4	21/05/80	0.009	<0.001
W-5	21/05/80	0.012	0.003
W-6	21/05/80	0.009	0.002
AVERAGE		0.010	0.001

---



WATER WELL SAMPLING PROGRAM

Page

1980

DISTRICT: ALGOMA

8-i-1 to 8-i-3

TOWNSHIPS: AWERES

KORAH

LAIRD

LEWIS

MCDONALD

PLUMMER

PRINCE

SAULT STE. MARIE (CITY)

ST. JOSEPH

TARENTOROUS



DISTRICT: ALGOMA  
TOWNSHIP: AWERES  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
206650	5169900	1102630	6.2	27	88	36	55	0.1	0.2		1.1	<.02	1.0	0.4	13	<1	1	11	.007	.19

DISTRICT: ALGOMA  
TOWNSHIP: KORAH  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
697160	5155050	1102680	7.6	258	484	267	330	0.1	0.2		<.1	<.02	10	4.0	71	22	<1	24	.025	.38

DISTRICT: ALGOMA  
TOWNSHIP: LAIRD  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
726350	5145550	1102722	7.5	326	565	314	375	0.1	0.2		<.1	.04	14	3.2	94	.19	3	7	.225	6.5

DISTRICT: ALGOMA  
TOWNSHIP: LEWIS  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
382250	5118800	1102667	8.2	164	414	99	280	0.2	2.2		<.1	.02	59	3.3	38	1	20	31	.029	.09

DISTRICT: ALGOMA  
TOWNSHIP: McDONALD  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
729600	5151400	1102558	7.8	134	255	130	165	0.1	0.4		<.1	.06	7	1.3	38	9	<1	6	.295	4.1

DISTRICT: ALGOMA  
TOWNSHIP: PLUMMER  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
789650	5129450	1102581	7.7	247	520	279	350	0.1	1.4		<.1	.02	11	5.6	79	20	1	51	.044	.24

DISTRICT: ALGOMA  
TOWNSHIP: PRINCE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
685600	5155350	1102750	7.2	39	102	47	65	0.10	.4	<.01	.10	.06	2	0.4	13	3	1	10	.011	.23
694120	5157940	1102567	7.0	23	78	30	50	0.1	.2		.04	<.02	2	0.4	9	2	<1	13	.003	.09

DISTRICT: ALGOMA  
TOWNSHIP: SAULT STE. MARIE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
708200	5163520	1102547	6.8	50	104	43	70	0.4	.80		<.1	<.02	3	0.5	13	3	1	3	.275	18.0

DISTRICT: ALGOMA  
 TOWNSHIP: ST. JOSEPH  
 PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
728550	5129750	1102671	7.4	282	540	312	340	.1	.80		2.4	.02	4	0.7	95	18	2	22	.004	.07
728250	5130750	1102653	7.2	128	525	157	370	.2	.4		.3	.02	46	8.6	46	10	71	24	.83	2.6

DISTRICT: ALGOMA  
 TOWNSHIP: TARENTOROUS  
 PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
707840	5158720	1102645	7.7	133	296	140	190	0.1	.20		<.1	<.02	10	2.7	42	9	9	13	.063	.25





WATER WELL SAMPLING PROGRAM

Page

1980

DISTRICT: COCHRANE

8-ii-1 to 8-ii-2

TOWNSHIPS: CURRIE

GLACKMEYER

IDINGTON

MOUNTJOY

O'BRIEN

OWENS

TAYLOR

WAY



DISTRICT: COCHRANE  
TOWNSHIP: CURRIE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
533050	5373500	1602668	7.5	394	680	350	465	0.2	.5		<.1	.2	29	2.7	102	23	<1	6	.360	.47
526950	5371050	1602666	7.7	334	582	289	410	0.2	.5		.1	.05	29	1.5	101	9	2	7	.330	6.5

DISTRICT: COCHRANE  
TOWNSHIP: GLACKMEYER  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
499850	544750	1603022	7.2	348	602	352	400	0.1	1.5		<.1	.4	5	1.9	107	18	<1	7	.180	5.0

DISTRICT: COCHRANE  
TOWNSHIP: IDINGTON  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
378300	5481500	1602733	7.2	431	1041	533	720	0.6	.40		.20	.04	24	4.7	149	39	94	34	.200	2.0

DISTRICT: COCHRANE  
TOWNSHIP: MOUNTJOY  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
471850	5373650	1603005	7.3	394	670	356	435	0.6	.80		<.1	.02	26	3.1	102	24	2	4	.080	.95

DISTRICT: COCHRANE  
TOWNSHIP: O'BRIEN  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
398200	5471300	1602768	7.5	281	526	232	375	0.3	1.0		<.1	.20	33	3.3	74	11	4	14	.105	1.7
400300	5474950	1602796	7.8	260	464	190	370	0.1	.5		<.1	.05	37	3.1	117	11	2	5	.128	.48

DISTRICT: COCHRANE  
TOWNSHIP: OWENS  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
389900	5476600	1603012	7.4	393	750	412	520	.30	.5		<.1	.05	15	4.3	133	20	17	21	.200	1.5

DISTRICT: COCHRANE  
TOWNSHIP: TAYLOR  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
526850	5380900	1602996	7.7	372	622	301	425	.50	1.5		<.1	.05	31	7.6	68	32	<1	5	.040	1.4

DISTRICT: COCHRANE  
TOWNSHIP: WAY  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
303650	5508350	1602711	7.7	312	550	283	335	1.0	.20		<.10	.06	18	2.0	80	20	<1	2	.157	.30
305400	5502400	1602756	7.6	390	661	335	445	0.2	.40		<.10	.20	31	2.5	85	30	3	2	.630	.61
303600	5408350	1602710	7.5	316	550	297	360	0.2	.20		<.10	.10	13	2.4	90	17	3	4	.090	1.6

WATER WELL SAMPLING PROGRAM

Page

1980

DISTRICT: MANITOULIN

TOWNSHIPS: CARNARVON

8-iii-1

HOWLAND

MILLS





DISTRICT: MANITOULIN  
TOWNSHIP: CARNARVON  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
409700	5064700	3900843	7.3	172	8000	3498	6430	4.8	4.6		.40	<.02	356	66	1056	208	2566	600	.035	.56

DISTRICT: MANITOULIN  
TOWNSHIP: HOWLAND  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
425650	5091850	3900849	7.3	367	820	445	590	0.2	.40		<.10	<.02	10	3.4	123	33	30	67	.021	.45

DISTRICT: MANITOULIN  
TOWNSHIP: MILLS  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
385000	5067950	3900854	7.6	286	560	295	325	0.2	.20		<.10	<.02	12	4.8	56	38	5	32		.39



WATER WELL SAMPLING PROGRAM

Page

1980	
DISTRICT: NIPISSING	
TOWNSHIPS: BONFIELD	8-iv-1 to 8-iv-2
CHISHOLM	
EAST FERRIS	
NORTH BAY (CITY)	
PAPINEAU	
WINDFIELD	



DISTRICT: NIPISSING  
TOWNSHIP: PAPINEAU  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
677450	5128550	4303178	7.8	94	188	87	120	.10	.20		.10	.02	8	1.1	26	5	1	8	.060	.02

DISTRICT: NIPISSING  
TOWNSHIP: WINDFIELD  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
622950	5131950	4303127	8.3	89	244	96	159	.10	.20		0.20	.02	14	3.8	30	0.5	10	23	.017	.07
622950	5141050	4303210	7.1	99	292	119	190	.10	.40		3.5	.02	8	15.0	38	6.0	10	22	.210	.17

DISTRICT: NIPISSING  
TOWNSHIP: BONFIELD  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
642100	5122400	4303103	5.7	15	122	34	80	.10	.20		1.0	.02	8	1.1	13	1	14	12	.029	.12
643150	5121150	4303068	6.1	51	454	127	355	.10	.40		7.3	.02	35	12.0	43	4	78	26	.045	.20

DISTRICT: NIPISSING  
TOWNSHIP: CHISHOLM  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
642000	5106400	4303054	7.8	114	235	102	155	.10	.10		.1	.02	15	1.7	33	5	7	10	.106	.76

DISTRICT: NIPISSING  
TOWNSHIP: EAST FERRIS  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
638050	5121250	4302561	6.0	16	60	23	40	.10	.20		.1	.02	2	0.8	8	1	1	12	.014	.15
635550	5118750	4303016	7.4	90	203	98	130	.10	.10		.1	.02	5	1.8	32	4	1	16	.011	.06
631750	5125100	4303012	7.8	161	328	140	213	.10	.20		.1	.02	22	2.7	47	6	5	13	.057	.28
628700	5120950	4303154	8.0	147	279	127	181	.10	.20		.1	.02	18	2.7	30	13	1	7	.077	.24

DISTRICT: NIPISSING  
TOWNSHIP: NORTHBAY (CITY) WIDDIFIELD  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
616750	513360	4303021	8.6	105	249	70	162	.10	.20		.1	.02	32	3.8	24	3	6	19	.011	.01



WATER WELL SAMPLING PROGRAM

Page

1980

DISTRICT: PARRY SOUND

8-v-1 to 8-v-3

TOWNSHIPS: CHRISTIE

DOKIS RESERVE

EAST MILLS

FOLEY

HARRISON

HUMPHREY

LAURIER

NIPISSING

MOWAT

PERRY

SHAWANAGA RESERVE

WALLBRIDGE



DISTRICT: PARRY SOUND  
TOWNSHIP: CHRISTIE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
595400	5024150	4802984	7.7	99	244	113	160	<.10	<.20		1.3	.02	5	2.6	41	3	4	19	.014	.03
595950	5025750	4802985	7.2	21	284	81	185	<.10	<.20		1.8	<.02	20	2.7	25	4	56	19	.055	.32

DISTRICT: PARRY SOUND  
TOWNSHIP: DOKIS INDIAN RESERVE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
575400	5008650	4803058	7.3	117	3390	796	2960	<.1	.20		.30	<.02	425	4.6	248	43	1120	20	.81	.22

DISTRICT: PARRY SOUND  
TOWNSHIP: EAST MILLS  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
579350	5085150	4803012	7.9	157	482	226	370	0.1	.20		<.1	<.02	11	1.3	84	4.0	43	29	.057	.05

DISTRICT: PARRY SOUND  
TOWNSHIP: FOLEY  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
582350	5016950	4803025	7.2	28	2280	670	1735	.1	.20		1.0	.02	193	11	164	63	725	18	.260	.87

DISTRICT: PARRY SOUND  
TOWNSHIP: HARRISON  
PROGRAM: WATERWELL PROGRAM

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
548600	5048800	4802695	8.1	146	310	145	200	<.1	<.20		0.1	<.02	12	2.6	46	7	3	27	.053	.06

DISTRICT: PARRY SOUND  
TOWNSHIP: HUMPHREY  
PROGRAM: WATERWELL PROGRAM

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
594850	5015100	4802550	6.0	12	70	23	45	<.10	<.20		0.1	<.02	2	1.1	8	1	3	13	.021	.37

DISTRICT: PARRY SOUND  
TOWNSHIP: LAURIER  
PROGRAM: WATERWELL PROGRAM

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
626750	5084450	4803030	7.2	17	58	21	40	0.1	.20		.2	<.02	2	1.9	6	1	<1	8	.021	.11

DISTRICT: PARRY SOUND  
TOWNSHIP: MOWAT  
PROGRAM: WATERWELL PROGRAM

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
533300	5084250	4802996	8.1	114	800	229	520	.10	.40		<.1	<.02	75	6.1	78	8	150	61	.027	.69

DISTRICT: PARRY SOUND  
TOWNSHIP: NIPISSING  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
612450	5113950	4803034	7.1	186	399	206	260	0.1	.40		<.1	<.02	4	2.2	62	12	3	19	.860	3.10

DISTRICT: PARRY SOUND  
TOWNSHIP: PERRY  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
628850	5037250	4802948	8.1	79	179	50	115	<.1	.20		<.1	<.02	19	1.6	18	1	2	14	.059	.56

DISTRICT: PARRY SOUND  
TOWNSHIP: SHAWANAGA INDIAN RESERVE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
556100	5043550	4803016	8.2	122	248	107	160	<.1	.20		.1	<.02	13	1.8	34	5	3	13	.250	.85
556150	5043800	4803017	7.8	133	268	138	175	<.1	<.20		.1	<.02	4	1.8	42	8	1	17	.220	.52
557850	5043550	4803018	7.6	75	1090	345	800	.1	.20		.1	<.02	160	8.2	117	13	97	335	.051	.10

DISTRICT: PARRY SOUND  
TOWNSHIP: WALLBRIDGE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
534550	5067850	4802886	7.5	183	363	180	235	0.1	.40		<.1	.02	10	1.9	50	13	8	17	.50	5.3





WATER WELL SAMPLING PROGRAM

Page

1980

DISTRICT: SUDBURY

8-vi-1 to 8-vi-3

TOWNSHIPS: APPLEBY

BALFOUR

BRODER

CASIMIR

CLELAND

DOWLING

DRURY

JACK

NAIRN

WATERS



DISTRICT: SUDBURY  
TOWNSHIP: APPLEBY  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
54010	5137950	5904217	7.0	47	150	64	100	.10	.2		.10	.02	3	1.6	21	3	2	20	.100	1.14

DISTRICT: SUDBURY  
TOWNSHIP: BALFOUR  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
479550	5156200	5904170	8.0	183	502	163	330	.30	.40		<.1	<.02	45	2.9	46	12	58	2	.069	.03

DISTRICT: SUDBURY  
TOWNSHIP: BRODER  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
498800	5138400	5904183	7.2	73	238	106	155	.10	.20		.30	.02	3	2.8	29	8	4	37	.070	3.2
497150	5189050	5904177	7.4	75	630	46	320	.10	.20		<.10	.02	105	1.1	13	3	131	5	.003	.12
500400	5143550	5904178	5.6	6	408	111		<.10	.20		2.3	.02	31	3.4	27	11	74	61	.840	.15
500500	5142300	5904186	6.5	10	208	72		<.10	.40		3.10	.02	8	2.5	19	6	19	43	.080	.13

DISTRICT: SUDBURY  
TOWNSHIP: CASIMIR  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
543850	5134000	5904263	8.2	160	470	189	295	<.10	.20		<.10	.02	24	4.1	51	15	31	36	.042	.03

DISTRICT: SUDBURY  
TOWNSHIP: CLELAND  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
518850	5143700	5904144	7.2	149	357	168	235	<.1	.20		.10	.02	10	4.3	42	15	14	22	.167	.15

DISTRICT: SUDBURY  
TOWNSHIP: DOWLING  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
475300	5157400	5904250	7.3	197	497	229	330	.40	.40		<.10	<.02	19	2.0	74	11	28	36	.910	.28

DISTRICT: SUDBURY  
TOWNSHIP: DRURY  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
459350	5136300	5904220	8.6	84	180	48	115	.10	.20		<.10	<.02	21	0.9	15	2	<1	11	.011	.01

DISTRICT: SUDBURY  
TOWNSHIP: JACK  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
445300	5280200	5904028	7.7	163	770	227	480	<.1	.60		4.2	.02	73	5.4	64	16	123	23	.055	.42

DISTRICT: SUDBURY  
TOWNSHIP: NAIRN  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
455150	5130700	5904139	8.8	105	540	51	310	.10	.20		< .10	.02	99	0.9	19	< 1	103	9	.016	.35
448650	5127950	5904138	8.0	107	235	107	155	.10	.20		< .10	.06	8	0.8	37	4	2	17	.073	.19

DISTRICT: SUDBURY  
TOWNSHIP: WATERS  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
487650	5140400	5904140	7.4	132	545	248	415	.10	< .20		< .10	< .02	11	3.7	84	9	68	47	4.9	2.10





WATER WELL SAMPLING PROGRAM

PAGE

1980

DISTRICT: TIMISKAMING

8-vii-1 to 8-vii-3

TOWNSHIPS: ARMSTRONG

BUCKE

CAIRO

COLEMAN

FIRSTBROOK

HUDSON

KERNS

LEBEL

MARTER

NICOL

SAVARD



DISTRICT: TIMISKAMING  
TOWNSHIP: ARMSTRONG  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD P	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
592850	5284650	6301178	7.7	213	392	215	255	<.1	.20		<.10	<.02	5	3.0	59	16	<1	12	.015	1.3

DISTRICT: TIMISKAMING  
TOWNSHIP: BUCKE  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD P	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
603850	5252200	6301204	7.9	245	700	365	505	<.1	.20		<.10	<.02	26	1.2	87	36	<1	160	.039	.18
596550	5256800	6301191	8.0	175	690	230	395	<.1	<.20		<.10	<.02	58	2.2	78	8	123	12	.020	.62

DISTRICT: TIMISKAMING  
TOWNSHIP: CAIRO  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD P	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
526050	5309450	6301201	6.9	37	112	46	73	<.1	.20		<.10	.02	2	0.4	18	<1	4	11	.080	4.0

DISTRICT: TIMISKAMING  
TOWNSHIP: COLEMAN  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
592900	5245650	6301194	7.7	138	630	224	385	<.1	.20		<.10	<.02	43	1.4	71	11	112	17	.097	.27

DISTRICT: TIMISKAMING  
TOWNSHIP: FIRSTBROOK  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
		6301172	6.7	102	306	148	199	<.1	<.20		.20	<.02	5	0.4	39	12	29	17	.132	.15

DISTRICT: TIMISKAMING  
TOWNSHIP: HUDSON  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
593350	5263300	6301187	8.0	215	387	132	252	.20	.60		<.10	.02	41	2.7	30	14	2	5	.020	.60

DISTRICT: TIMISKAMING  
TOWNSHIP: KERNS  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
591000	5278300	6301202	8.0	185	368	163	220	.20	.20		<.10	<.02	20	3.1	35	18	2	21	.005	.16

DISTRICT: TIMISKAMING  
TOWNSHIP: LEBEL  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
577600	5334850	6301195	7.6	183	640	259	410	<.10	.20		1.5	<.02	35	1.0	90	9	90	17	.910	.94

DISTRICT: TIMISKAMING  
TOWNSHIP: MARTER  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
584700	5300050	6301166	7.8	240	434	130	300	.10	.80		<.10	.04	56	4.0	48	3	6	2	.050	1.4

DISTRICT: TIMISKAMING  
TOWNSHIP: NICOL  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
51960	5279150	6301171	7.6	207	382	198	248	<.10	.20		<.10	.02	11	2.6	54	15	5	6	.170	.25

DISTRICT: TIMISKAMING  
TOWNSHIP: SAVARD  
PROGRAM: WATERWELL SAMPLING

UTM EASTING	UTM NORTHING	WELL RECORD #	pH	ALK mg/L	COND. umho/cm	HARD mg/L	T.D.S. mg/L	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	TOTAL P mg/L	Na mg/L	K mg/L	Ca mg/L	Mg mg/L	Cl mg/L	SO <sub>4</sub> mg/L	Mn mg/L	Fe mg/L
569500	5300500	6301199	7.5	349	600	341	380	.10	.20		<.10	.06	9	2.7	97	24	<1	10	.080	2.7





S U P P L E M E N T A L I N F O R M A T I O N

Page

9-i

ALGOMA DISTRICT

LAUZON LAKE

9-i-1

PARRY SOUND DISTRICT

BLACKSTONE LAKE

9-i-3

CARIBOU LAKE

9-i-4

COWPER LAKE

9-i-5

FORGET LAKE

9-i-6

FOWKE LAKE

9-i-7

HORN LAKE

9-i-8

LORIMER LAKE

9-i-9

OTTER LAKE

9-i-10

PORTAGE LAKE

9-i-11

THREE LEGGED LAKE

9-i-13

SUDBURY DISTRICT

MASKINONGE CREEK



WATERBODY: LAUZON LAKE  
 TOWNSHIP: STRIKER, LONG  
 PROGRAM: TROUT LAKES

LATITUDE: 46°12'  
 LONGITUDE: 82°50'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
LA-1	/05/80	0.006	0.16	0.003	0.222	14.0	1.40	7	55	17	6.56	5.0	1.15	1.5	0.50	1.9	1.2	7
	/06/80	0.030	0.14	0.003	0.212				54		6.57							2.1
	/07/80	0.085	0.20	0.003	0.192													1.7
	/08/80	0.012	0.14	0.002	0.123				54		6.92							8.5
	/10/80	0.010	0.15	0.002	0.173	14.5	1.45	8	54	18	6.87	5.4	1.15	1.3	0.50	2.0	1.0	
LA-1B	/06/80	0.016	0.13	0.002	0.233				56		6.41							1.9
	/07/80	0.021	0.18	0.002	0.203													15.7
	/08/80	0.022	0.15	0.001	0.188				56		6.63							18.0
	/10/80	0.034	0.26	40.001	0.185	14.0	1.70	7	54	18	6.50	5.2	1.25	1.4	0.55	2.2	1.4	
LA-2	/05/80	0.006	0.16	0.003	0.222	14.0	1.65	7	55	17	6.56	5.0	1.15	1.5	0.55	1.9	1.0	7.0
	/06/80	0.030	0.13	0.004	0.216				54		6.56							2.0
	/07/80	0.049	0.18	0.003	0.197													1.3
	/08/80	0.012	0.15	0.002	0.123				54		6.93							2.9
	/10/80	0.014	0.14	0.003	0.177	14.0	1.50	7	54	17	6.89	5.0	1.15	1.3	0.50	2.0	1.2	
LA-2B	/06/80	0.018	0.14	0.002	0.243				56		6.42							3.9
	/07/80	0.021	0.17	0.002	0.233				60		6.87							8.3
	/08/80	0.012	0.14	0.001	0.188				54		6.59							13.8
	/10/80	0.026	0.15	40.001	0.250	14.0	1.55	7	54	18	6.51	5.0	1.25	1.4	0.50	1.9	1.6	
LA-3	/05/80	0.004	0.16	0.002	0.223	14.0	1.55	7	55	18	6.62	5.4	1.15	1.7	0.55	2.3	1.0	7.0
	/06/80	0.018	0.13	0.003	0.207				54		6.60							2.7
	/07/80	0.014	0.16	0.002	0.188													2.1
	/08/80	0.008	0.16	0.002	0.123				54		6.97							2.9
	/10/80	0.010	0.13	0.003	0.177	14.0	1.55	9	54	18	6.95	5.2	1.15	1.3	0.45	2.0	1.2	
LA-3B	/06/80	0.012	0.14	0.002	0.238				56		6.45							7.0
	/07/80	0.021	0.13	0.001	0.239				55		6.80							7.2
	/08/80	0.016	0.19	0.001	0.129				54		6.86							5.6
	/10/80	0.020	0.16	0.001	0.214	14.0	1.55	7	54	17	6.59	5.0	1.20	1.3	0.50	2.0	1.4	
LA-4	/05/80	0.005	0.25	0.006	0.102	13.3	1.70	8.5	55	18	6.52	5.5	1.13	1.5	0.53	3.5	1.6	9.0
	/06/80	0.018	0.15	0.003	0.157				55		6.71							8.9
	/07/80	0.019	0.17	0.002	0.132													3.0
	/08/80	0.012	0.16	0.002	0.058				56		7.04							6.0
	/10/80	0.012	0.14	0.002	0.118	13.5	1.65	8.0	54	18	6.95	5.2	1.20	1.4	0.50	2.4	1.6	
LA-4B	/06/80	0.026	0.17	0.003	0.167				56		6.56							32.0
	/07/80	0.039	0.16	0.001	0.189				55		6.56							54.0
	/08/80	0.044	0.19	0.001	0.139				56		6.47							7.7
	/10/80	0.030	0.15	40.001	0.210	13.5	1.85	9.0	56	19	6.40	5.2	1.35	1.4	0.55	2.1	3.0	

WATERBODY: LAUZON LAKE  
TOWNSHIP: STRIKER, LONG  
PROGRAM: TROUT LAKES

LATITUDE: 46°12'  
LONGITUDE: 82°50'  
SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Ca mg/L	Fe mg/L	Cu mg/L	Ni mg/L
LA-1	/05/80						0.02		
	/06/80	0.008	0.008	≤0.0005	0.033	≤0.002	0.030		
	/07/80	≤0.03	0.02	≤0.005	0.05	≤0.02		≤0.01	≤0.02
LA-1B									
LA-2	/05/80						0.020		
	/06/80	0.008	0.010	≤0.0005	0.066	≤0.002	0.063		
	/07/80	≤0.03	≤0.01	≤0.005	0.050	≤0.020		≤0.01	≤0.02
	/10/80	0.08	0.003	≤0.0002	0.090	0.004		≤0.001	0.008
LA-2B									
LA-3	/05/80						0.03		
	/06/80	≤0.006	0.005	≤0.0005	0.030	≤0.002	0.020		
	/07/80	≤0.030	≤0.010	≤0.005	0.050	≤0.020		≤0.01	≤0.02
	/10/80	≤0.003	0.003	≤0.0002	0.020	0.004		0.003	0.008
LA-3B									
LA-4	/05/80						0.06		
	/06/80	≤0.006	0.008	≤0.0005	0.20	≤0.002	0.030		
	/07/80	≤0.030	≤0.010	≤0.005	0.030	≤0.020		≤0.01	≤0.02
	/10/80	≤0.003	0.001	0.0003	0.020	0.002		0.002	0.006
LA-4B									

WATERBODY: BLACKSTONE LAKE  
 TOWNSHIP: CONGER  
 PROGRAM: TROUT LAKES

LATITUDE: 45°14'  
 LONGITUDE: 79°53'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L								
B-1	/05/80	0.030	0.27	0.002	0.153	8.0	3.10	6	43	12	7.03	3.4	0.75	2.1	0.60	4.2	0.8	19.0								
	/06/80	0.052	0.25	0.005	0.185				44		6.87							6.4								
	/07/80	0.032	0.23	0.002	0.088				43		6.83							4.8								
	/08/80	0.012	0.29	0.002	0.058				43		7.03							6.8								
	/09/80	0.030	0.24	0.001	0.054	8.5	3.30	7	45	11	6.84	3.2	0.80	2.2	0.60	3.9	1.2	5.5								
	/10/80	0.016	0.24	0.001	0.100			7	44		6.59							5.8								
B-1B	/05/80																									
	/06/80	0.008	0.33	0.003	0.148				44		7.06							22.0								
	/07/80	0.014	0.21	0.001	0.091				44		6.62							18.0								
	/08/80	0.004	0.19	0.001	0.078				44		6.82							21.0								
	/09/80	0.004	0.20	0.001	0.309	8.5	3.05	7	45	11	6.25	3.2	0.85	2.1	0.60	3.2	1.6	5.8								
	/10/80	0.002	0.20	<0.001	0.090			6	44		6.55							6.4								
B-2	/05/80	0.012	0.32	0.002	0.168	7.5	3.10	6	44	12	7.05	3.4	0.75	2.8	0.90	4.0	1.0	7.1								
	/06/80	0.012	0.28	0.002	0.148				44		7.06							6.7								
	/07/80	0.024	0.31	0.002	0.091				44		6.62							5.2								
	/08/80	0.018	0.27	0.002	0.078				44		6.82							9.0								
	/09/80	0.030	0.24	0.001	0.044	8.5	3.30	8	45	12	6.75	3.2	0.95	2.3	0.55	3.8	1.2	8.5								
	/10/80	0.014	0.23	<0.001	0.090			7	44		6.55							5.6								
B-2B	/05/80																									
	/06/80	0.004	0.22	0.001	0.284				45		6.38							2.0								
	/07/80	0.018	0.25	0.001	0.282				45		6.15															
	/08/80	0.010	0.20	0.001	0.279				45		5.98															
	/09/80	0.008	0.20	<0.001	0.305	8.5	3.15	7	46	12	6.40	3.2	0.90	2.2	0.60	3.3	1.6	5.8								
	/10/80	0.006	0.20	<0.001	0.310			6	45		5.97							6.5								
Station	Date D/M/Y				Pb mg/L			Zn mg/L			Cd mg/L			Al mg/L			Cr mg/L			Fe mg/L			Cu mg/L			Ni mg/L
B-1	/10/80				<0.03			0.39			< 0.002			0.07			< 0.02			0.02			< 0.01			< 0.02
B-1B	/10/80																			0.02						
B-2	/10/80				< 0.03			0.04			< 0.002			0.06			< 0.02			0.03			< 0.01			< 0.02
B-2B	/10/80																			0.04						

WATERBODY: CARIBOU LAKE  
 TOWNSHIP: McCONKEY  
 PROGRAM: TROUT LAKES

LATITUDE: 45°56'  
 LONGITUDE: 80°04'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
C-1	/05/80	0.019	0.36	0.002	0.092	10.0	1.10	9	44	14	7.10	4.0	1.00	1.3	0.85	5.5	1.0	8.6
	/06/80	0.022	0.31	0.001	0.114				43		7.10							11.8
	/07/80	0.016	0.30	0.001	<0.005				43		6.74							8.4
	/09/80	0.020	0.28	0.002	0.003				38		7.00							7.3
	/10/80	0.032	0.30	0.001	0.019	10.5	1.10	8	44		6.66	3.8	1.15	1.4	0.80	4.7	1.6	9.5
C1-B	/05/80	0.004	0.30	0.001	0.139	10.0	1.20	9	45	14	6.62	3.8	1.05	1.4	0.85	5.3	1.6	
	/06/80	0.018	0.27	0.001	0.169				44		6.61							10.0
	/07/80	0.008	0.26	0.001	0.159				45		6.47							
	/09/80	0.018	0.27	0.002	0.218				41		6.76							8.6
	/10/80	0.002	0.25	0.001	0.219	10.5	1.15	8	45		6.03	3.8	1.25	1.5	0.85	4.3	2.4	10.1
C-2	/05/80	0.006	0.33	0.003	0.085	10.0	1.20	8	45	14	6.96	4.0	1.00	1.3	0.95	5.6	1.0	9.2
	/06/80	0.026	0.34	0.002	0.118				43		7.08							8.0
	/07/80	0.016	0.29	0.001	<0.005				43		6.85							
	/09/80	0.028	0.27	0.001	0.004				37		6.90							6.7
	/10/80	0.026	0.29	0.001	0.019	11.0	1.10	9	44		6.54	3.6	1.10	1.4	0.80	4.8	1.4	8.0
C-2B	/05/80	0.008	0.30	0.001	0.134	9.5	1.20	8	45	14	6.60	3.8	1.05	1.4	0.85	5.3	1.6	
	/06/80	0.016	0.29	0.001	0.169				45		6.38							13.8
	/07/80	0.008	0.29	0.001	0.154				45		6.47							
	/09/80	0.036	0.37	0.002	0.218				37		6.92							12.8
	/10/80	0.024	0.25	0.001	0.229	12.0	1.20	8	46		6.04	3.8	1.20	1.5	0.85	4.3	2.2	11.0

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Cr mg/L	Fe mg/L	Cu mg/L	Ni mg/L
C-1	/05/80	<0.003	<0.002	<0.005	0.046	<0.004		<0.002	<0.004
	/07/80	<0.003	<0.010	<0.005	0.030	<0.020		<0.010	<0.020
	/10/80	0.003	0.002	0.0002	0.053	0.007	0.05	<0.001	0.002
C-1B	/05/80								
	/10/80						0.10		
C-2	/05/80	<0.003	<0.002	<0.005	0.058	<0.004		<0.002	<0.004
	/07/80	<0.030	<0.010	<0.005	0.020	<0.020		<0.010	<0.020
	/10/80	<0.003	<0.002	<0.0002	0.037	0.003	0.06	<0.001	<0.002
C-2B	/05/80								
	/10/80						0.11		



WATERBODY: COWPER LAKE  
 TOWNSHIP: COWPER  
 PROGRAM: TROUT LAKES

LATITUDE: 45°15'  
 LONGITUDE: 80°05'  
 SAMPLE TYPE: CAN COMPOSITE

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
CO-1	/05/80	0.028	0.24	0.002	0.027	8.5	0.65	7	35		6.89	2.8	1.00	1.1	0.45	3.8	0.8	8.5
	/06/80	0.012	0.21	0.001	0.004				36		7.37							6.8
	/07/80	0.016	0.22	0.001	0.004				34		9							6.68
	/08/80	0.044	0.22	0.003	0.017	10.0	0.65	6	37	9	6.43	2.4	0.80	1.0	0.40	3.8	0.8	4.9
	/09/80	0.008	0.21	0.001	<0.005				35		7.30							4.9
CO-1B	/06/80	0.022	0.20	0.001	0.139				38		6.10							15.5
	/07/80	0.008	0.23	0.001	0.194				37		5.89							44.0
	/08/80	0.008	0.20	0.001	0.144				39		6.18							24.0
	/09/80	0.008	0.17	<0.001	0.170	9.5	0.65	6	35	12	6.15	3.0	1.20	1.1	0.40	3.1	1.6	6.9
CO-2	/05/80	0.018	0.28	0.001	0.009	8.0	0.55	5	34		6.76	2.8	0.90	1.0	0.40	4.9	0.6	7.3
	/06/80	0.014	0.26	0.002	0.033						6.49							9.2
	/07/80	0.021	0.22	0.001	0.004				33		6.45							24.0
	/08/80	0.024	0.29	0.001	0.004	9.0	1.75	5	34	11	6.34	2.6	1.10	0.9	0.40	4.5	0.8	6.9
	/09/80	0.012	0.22	<0.001	<0.005				33		7.05							6.3
CO-2B	/06/80	0.058	0.27	0.001	0.134				35		5.98							12.7
	/07/80	0.061	0.26	0.004	0.151				35		5.80							
	/08/80	0.018	0.28	0.003	0.252				36		6.07							28.0
	/09/80	0.014	0.20	<0.001	0.239	9.0	0.70	7	35	12	5.85	2.8	1.20	1.0	0.45	4.4	2.3	12.1
Station		Date D/M/Y		Pb mg/L		Zn mg/L		Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L		Ni mg/L
CO-1		/05/80 /07/80		<0.03 <0.03		<0.01 <0.01		<0.005		<0.02 0.06						<0.01 <0.01		<0.02 <0.02
CO-1B																		
CO-2		/05/80 /07/80		<0.03 <0.03		<0.01 <0.01		<0.005		<0.02 0.06						<0.01 <0.01		<0.02 <0.02
CO-2B																		

WATERBODY: FORGET LAKE  
TOWNSHIP: FOLEY, COWPER  
PROGRAM: TROUT LAKES

LATITUDE: 45°15'  
LONGITUDE: 79°54'  
SAMPLE TYPE: CAN COMPOSITE, & BOTTOM

Station	Date D/M/Y	NH3 mg/L	TKN mg/L	NO2 mg/L	NO3 mg/L	SO4 mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
FR-1	/05/80	0.022	0.21	0.002	0.103	8.5	0.70	8	38	17	6.87	3.6	0.70	1.4	0.50	2.8	1.2	8.5
	/06/80	0.008	0.21	0.001	0.239				45		6.22							10.2
	/07/80	0.020	0.25	0.002	0.158				38		6.45							5.7
	/08/80	0.018	0.20	0.002	0.038				38		7.24							6.7
	/09/80																	6.8
	/10/80	0.010	<0.001	<0.001	0.005				36		6.72							5.2
FR-1B	/06/80	0.006	0.20	0.001	0.094				43		6.75							
	/07/80	0.014	0.16	<0.001	0.232				41		6.06							15.6
	/08/80	0.138	0.37	0.003	0.012				45		6.12							23.0
	/09/80																	13.9
	/10/80	0.182	0.45	0.001	0.080				45		5.92							13.0
Station		Date D/M/Y		Pb mg/L		Zn mg/L		Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L		Ni mg/L
FR-1		/08/80		<0.03		<0.01		<0.005		<0.02						<0.01		<0.02
		/10/80		<0.03		<0.01		<0.002		0.06		<0.02		0.02		<0.01		<0.02

WATERBODY: FOWKE LAKE  
 TOWNSHIP: LOUNT  
 PROGRAM: TROUT LAKES  
 LATITUDE: 45°49'  
 LONGITUDE: 79°40'  
 SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH3 mg/L	TKN mg/L	NO2 mg/L	NO3 mg/L	SO4 mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L				
F-1	/05/80	0.018	0.28	0.003	0.131	9.5	0.40	18	60	24	7.59	7.4	1.30	0.8	0.65	4.6	3.2	8.7				
	/06/80	0.008	0.29	0.002	0.063				55		7.55							10.8				
	/07/80	0.018	0.32	0.001	0.004				60		7.79							18.0				
	/08/80	0.010	0.30	0.002	0.024	10.5	0.40	18	60	24	7.64	7.0	1.50	1.1	0.60	4.8	3.2	12.2				
	/09/80	0.038	0.32	0.002	0.005				59		7.05							7.3				
	/10/80	0.042	0.30	0.001	0.034				58		7.32							9.2				
F-1B	/07/80	0.004	0.21	0.001	0.236	10.5	0.40	17	60	25	6.82	7.2	1.60	0.8	0.65	4.0	4.6	13.7				
	/08/80	0.008	0.21	0.001	0.246				60		6.88							14.4				
	/09/80	0.36	0.21	0.006	0.265				60		6.55							10.8				
	/10/80	0.012	0.24	0.001	0.280				60		6.83							13.4				
Station		Date D/M/Y	Pb mg/L			Zn mg/L		Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L		Ni mg/L				
F-1	/05/80	0.03			0.01			0.005		0.02						0.01		0.02				
	/10/80	0.03			0.01			0.002		0.35		0.02		0.03		0.01		0.02				
F-1B	/10/80													0.04								

WATERBODY: HORN LAKE  
TOWNSHIP: CHAPMAN, RYERSON  
PROGRAM: TROUT LAKES

LATITUDE: 45°40'  
LONGITUDE: 79°30'  
SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	Hard mg/L	pH mg/L	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
H-1	/05/80	0.022	0.21	0.001	<0.005	7.0	0.55	5	31	10	7.09	3.0	0.50	0.80	0.50	2.8	0.4	7.9
	/06/80	0.032	0.25	0.001	0.034				28		6.18							6.4
	/07/80	0.016	0.24	<0.001	0.005				28		6.73							6.4
	/08/80	0.010	0.18	0.002	0.003				29		7.62							7.9
	/09/80	0.006	0.006	0.006	<0.005	9.0	0.40	7	30	9	6.50	2.8	0.50	0.80	0.50	2.9	0.6	6.5
	/10/80	0.018	0.21	<0.001	0.010			5	29		6.48							8.3
H-1B	/06/80	0.054	0.24	0.001	0.089				31		6.12							16.4
	/07/80	0.092	0.26	<0.001	0.088				31		5.81							8.0
	/08/80	0.083	0.23	0.001	0.092				32		6.12							23.0
	/09/80	0.102	0.001	0.001	0.130	8.5	0.40	6	34	9	6.03	2.8	0.50	0.96	0.50	1.2	2.2	12.6
	/10/80	0.054	0.21	0.001	0.209			6	33		5.50							9.4
H-2	/05/80	0.036	0.27	0.001	<0.005	7.0	0.55	5	30	9	6.66	3.0	0.50	0.80	0.50	2.8	0.4	8.9
	/06/80	0.016	0.21	0.001	0.004				28		6.47							8.7
	/07/80	0.034	0.21	0.001	0.009				28		6.22							6.3
	/08/80	0.010	0.18	0.001	0.004				30		7.49							6.3
	/09/80	0.010	0.004	0.004	0.005	8.5	0.45	4	29	8	6.15	2.6	0.40	0.80	0.50	2.9	0.2	6.5
	/10/80	0.012	0.21	0.001	0.009				29		6.65							6.4
H-2B	/06/80	0.052	0.19	0.001	0.094				30		5.85							11.4
	/07/80	0.076	0.25	<0.001	0.092				30		5.74							
	/08/80	0.135	0.33	0.002	0.080				34		6.04							16.7
	/09/80	0.082	0.010	0.010	0.115	8.5	0.50	5	34	9	5.86	2.8	0.50	0.90	0.50	2.2	2.0	6.6
	/10/80	0.066	0.22	0.001	0.194			7	33		5.85							7.7

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Cr mg/L	Fe mg/L	Cu mg/L	Ni mg/L
H-1	/05/80	<0.03	<0.01	<0.005	0.03			<0.01	<0.02
	/10/80	<0.03	<0.01	<0.006	0.04	<0.02	0.03	<0.01	<0.02
H-1B	/10/80						0.50		
H-2	/05/80	<0.03	<0.01	<0.005	<0.02			<0.01	<0.02
	/10/80	<0.03	<0.01	0.008	0.07	<0.02	0.40	<0.01	<0.02
H-2B	/10/80						0.40		

WATERBODY: LORIMER LAKE      LATITUDE: 45°32'  
 TOWNSHIP: HAGERMAN      LONGITUDE: 79°58'  
 PROGRAM: TROUT LAKE      SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L							
L-1	/05/80	0.042	0.32	0.001	0.004	7.0	3.50	12	55	18	7.35	5.4	1.05	2.4	0.55	4.6	2.0	14.2							
	/06/80	0.026	0.30	0.002	0.013				55		7.48							10.5							
	/07/80	0.040	0.29	0.001	0.004				55		6.78							10.3							
	/08/80	0.042	0.27	0.001	0.004				55		6.78							59.7							
	/09/80	0.038	0.22	<0.001	0.005	8.0	3.25	13	54	19	6.98	5.2	0.90	2.3	0.50	4.2	2.6	6.4							
	/10/80	0.010	0.25	0.002	0.038				54		6.91							2.8							
L-1B	/06/80	0.064	0.31	0.002	0.093				60		6.72							26.0							
	/07/80	0.060	0.29	0.001	0.104				55		6.37							28.0							
	/08/80	0.028	0.30	0.002	0.193				60		6.37							27.0							
	/09/80	0.012	0.20	0.001	0.239	7.5	3.65	14	59	18	6.30	5.6	1.00	2.5	0.50	3.9	4.8	13.5							
	/10/80	0.014	0.22	0.004	0.271				60		6.20							18.0							
Station	Date D/M/Y	Pb mg/L			Zn mg/L			Cd mg/L			Al mg/L			Cr mg/L			Fe mg/L			Cu mg/L			Ni mg/L		
L-1	/05/80	<0.03			<0.01			<0.0005			<0.02									<0.01			<0.02		
	/10/80	<0.03			<0.01			<0.002			<0.02			<0.02			0.42			<0.01			<0.02		
L-1B	/10/80																0.12								

WATERBODY: OTTER LAKE  
TOWNSHIP: FOLEY  
PROGRAM: TROUT LAKES

LATITUDE: 45°17'  
LONGITUDE: 79°58'  
SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L
0-1	/05/80	0.018	0.23	0.002	0.094	8.0	0.70	7	35	10	6.95	3.0	0.70	1.0	0.45	3.4	0.6	9.2
	/06/80	0.016	0.20	0.002	0.058				33		6.93							5.0
	/07/80	0.006	0.23	0.001	0.019				33		6.96							4.8
	/08/80	0.006	0.19	<0.001	0.005				34		6.93							7.2
	/09/80	0.018	0.21	<0.001	<0.005	8.5	0.70	6	34	9	6.60	2.8	0.50	0.9	0.45	3.6	1.0	7.2
	/10/80	0.018	0.26	<0.001	0.020			9	33		6.69							5.4
0-1B	/06/80	0.020	0.20	0.002	0.183				35		6.28							2.1
	/07/80	0.002	0.20	0.001	0.193				36		6.18							13.8
	/08/80	0.014	0.17	<0.001	0.155				35		6.03							22.0
	/09/80	0.056	0.19	<0.001	0.215	8.5	0.70	8	35	10	5.95	2.8	0.65	0.9	0.45	3.0	2.2	8.4
	/10/80	0.022	0.20	<0.001	0.230			7	37		6.17							12.0
0-2	/05/80	0.028	0.23	0.003	0.097	8.0	0.70	5	34	10	6.88	3.0	0.65	1.0	0.45	3.4	0.4	9.1
	/06/80	0.016	0.22	0.002	0.063				33		6.39							5.9
	/07/80	0.014	0.25	0.001	0.028				34		6.88							4.2
	/08/80	0.028	0.19	<0.001	0.005				34		6.80							5.1
	/09/80	0.032	0.21	<0.001	<0.005	9.0	0.65	6	35	8	6.58	2.4	0.60	0.8	0.45	3.7	1.0	14.5
	/10/80	0.018	0.27	<0.001	0.015			5	32		6.73							6.8
0-2B	/06/80	0.042	0.23	0.002	0.163				35		6.41							18.8
	/07/80	0.026	0.24	0.001	0.169				36		6.16							11.3
	/08/80	0.032	0.20	<0.001	0.160				35		6.13							17.0
	/09/80	0.020	0.19	<0.001	0.240	9.0	0.65	6	35	9	5.84	2.6	0.70	0.7	0.45	3.3	2.8	9.6

Station	Date D/M/Y	Pb mg/L	Zn mg/L	Cd mg/L	Al mg/L	Cr mg/L	Fe mg/L	Cu mg/L	Ni mg/L
0-1	/05/80	<0.03	<0.01	<0.005	<0.02			<0.01	0.02
	/08/80	<0.03	0.02	<0.005	<0.02			<0.01	<0.02
	/10/80	<0.03	<0.01	<0.002	0.09	<0.02	0.03	<0.01	<0.02
0-1B	/10/80						0.14		
0-2	/05/80	0.03	<0.01	<0.005	0.03			<0.01	0.03
	/10/80	<0.03	<0.01	<0.002	0.13	<0.02	0.06	<0.01	<0.02
0-2B	/10/80						0.52		



WATERBODY: PORTAGE LAKE      LATITUDE: 45°13'  
 TOWNSHIP: CONGER, HUMPHREY      LONGITUDE: 79°48'  
 PROGRAM: TROUT LAKES      SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L		
PO-1	/05/80	0.008	0.20	0.002	0.123	8.5	5.45	6	55	13	6.78	4.0	0.70	3.6	0.55	3.6	0.8	7.4		
	/06/80	0.628	0.21	0.002	0.148				65		6.91							4.6		
	/07/80	0.024	0.20	0.002	0.068				50		6.88							5.1		
	/08/80	0.018	0.28	0.002	0.088				55		6.37							5.1		
	/09/80	0.040	0.18	0.002	0.033	9.0	5.20	9	50	12	6.63	3.6	0.70	3.7	0.60	3.5	1.0	12.5		
	/10/80	0.016	0.22	<0.001	0.025				53		6.65							8.0		
PO-1B	/06/80	0.638	0.26	0.001	0.188				55		6.44									
	/07/80	0.028	0.65	0.002	0.193				55		6.07									
	/08/80	0.016	0.21	0.001	0.219				55		6.04									
	/09/80	0.024	0.15	<0.001	0.260	9.5	5.35	8	185	12	6.03	3.8	0.70	3.7	0.65	3.3	2.8	9.5		
	/10/80	0.016	0.22	<0.001	0.285				58		6.15							13.6		
Station			Date D/M/Y		Pb mg/L		Zn mg/L		Cd mg/L		Al mg/L		Cr mg/L		Fe mg/L		Cu mg/L		Ni mg/L	
PO-1			/05/80		<0.03		<0.01		<0.005		<0.02						<0.01		<0.02	
			/10/80		<0.03		<0.01		<0.002		<0.02		<0.02		0.03		<0.01		<0.02	
PO-1B			/10/80												0.83					

WATERBODY: THREE LEGGED LAKE  
TOWNSHIP: FOLEY, COWPER  
PROGRAM: TROUT LAKES

LATITUDE: 45°16'  
LONGITUDE: 80°01'  
SAMPLE TYPE: CAN COMPOSITE & BOTTOM

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	COND. umho/cm	HARD mg/L	pH	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	TOC mg/L	TIC mg/L	TOTAL P ug/L							
T-1	/05/80	0.024	0.26	0.001	0.005	6.5	0.50	12	29	8	6.67	2.4	0.60	0.70	0.40	3.4	0.4	9.9							
	/06/80	0.010	0.23	0.001	0.034				29		7.03							5.9							
	/07/80	0.026	0.20	0.001	0.009				29		6.26							4.7							
	/08/80	0.016	0.20	0.001	0.004				28		6.40							6.9							
	/09/80	0.014	0.20	0.001	0.018	8.0	0.50	5	28	8	6.52	2.2	0.65	0.70	0.40	3.5	0.8	9.2							
	/10/80	0.010	0.22	0.001	0.015				28		6.44							4.6							
T-1B	/06/80	0.008	0.20	0.001	0.159				32		6.03							18.9							
	/07/80	0.016	0.15	0.001	0.109				31		5.87							14.2							
	/08/80	0.026	0.22	0.001	0.124				33		6.23							16.4							
	/09/80	0.010	0.16	0.001	0.194	7.5	0.50		31		5.92	2.6	0.70	0.80	0.45	2.6	2.3	6.2							
	/10/80	0.006	0.18	<0.001	0.205				33		5.78							8.9							
Station	Date D/M/Y	Pb mg/L			Zn mg/L			Cd mg/L			Al mg/L			Cr mg/L			Fe mg/L			Cu mg/L			Ni mg/L		
T-1	/05/80	<0.03			<0.01			<0.005			0.07									<0.01			<0.02		
	/08/80	0.27			<0.02			<0.005			<0.02									<0.01			<0.02		
	/10/80	<0.03			<0.01			<0.002			0.02			<0.02			0.02			<0.01			<0.02		
T-1B	/10/80																0.22								

WATERBODY: MASKINONGE CREEK  
TOWNSHIP: CASMIR, JENNINGS, APPLEBY  
PROGRAM: SPECIAL STUDY

SAMPLE TYPE: GRAB

Station	Date D/M/Y	NH <sub>3</sub> mg/L	TKN mg/L	NO <sub>2</sub> mg/L	NO <sub>3</sub> mg/L	SO <sub>4</sub> mg/L	Cl mg/L	ALK mg/L	Ca mg/L	Mg mg/L	HARD mg/L	pH	COLOR Haz. U.
MC-1	30/04/80	.062	.825	.010	.215	14.5	2.35	35	10.8	3.75	42	6.87	-
	03/06/80	.038	.97	.004	.005	13.0	1.85	67	17.6	5.5	67	7.42	84
	04/07/80	.150	1.13	.003	.007	18.0	2.15	128	36	13.0	143	7.65	85
	30/07/80	.032	.98	.005	<.005	14.0	1.80	67	19.0	8.5	82	7.44	90
	08/09/80	.056	.82	.004	.001	3.5	2.15	74	19.6	7.0	78	7.35	80
MC-2	30/04/80	.176	2.20	.042	.958	21.0	5.65	47	17.8	9.0	81	7.10	-
	03/06/80	.022	.75	.003	.005	14.5	2.20	69	19.4	5.5	71	7.56	74
	04/07/80	.050	.78	.006	.004	16.5	2.25	79	22	8.5	90	7.64	86
	30/07/80	.004	.88	.005	<.005	15.0	2.25	76	21	8.5	87	7.44	116
	08/09/80	.034	.65	.005	<.005	7.8	3.70	100	28	10.5	113	7.43	71
MC-3	30/04/80	.046	1.10	.010	.365	18.5	1.75	50	15.8	4.95	60	6.76	-
	03/06/80	.020	2.28	.004	.005	19.5	1.20	103	29	9.5	112	7.70	92
	04/07/80	.050	1.17	.006	.004	13.5	1.70	65	17.8	7.0	73	7.53	102
	30/07/80	.026	1.35	.009	.001	20.5	1.65	115	6.0	13.5	71	7.46	265
	08/09/80	.022	.80	.004	.001	9.5	4.0	186	51	17.5	199	7.60	-
MC-4	30/04/80	.490	4.70	.074	2.63	30.5	12.5	77	26	14.5	125	7.25	-
	03/06/80	.014	.42	.002	<.005	32.0	14.5	196	51	20.5	212	8.49	-
	04/07/80	.044	.65	.004	.001	34.5	11.0	198	53	22.5	225	8.19	-
	30/07/80	<.002	.48	.003	<.005	34.0	13.5	192	9.8	27.0	136	8.19	-
	08/09/80	.012	.32	.004	.001	35.0	13.0	190	49	22.5	215	8.11	-
MC-5	30/04/80	.016	.49	.005	.005	11.0	1.30	18	5.4	1.98	22	6.42	-
	03/06/80	.036	.83	.005	.005	6.0	1.10	35	9.0	3.15	35	6.39	100
	04/07/80	.028	.98	.005	<.005	6.0	.60	35	9.0	3.90	39	6.87	130
	30/07/80	.002	1.48	.005	<.005	6.5	11.5	43	11.0	4.25	45	6.57	130
	08/09/80	.026	1.00	.007	<.005	7.0	1.60	53	13.4	5.0	54	6.65	170
MC-6	30/04/80	.050	1.08	.010	.280	16.5	5.05	34	10.8	4.60	46	6.76	-
	03/06/80	.036	1.23	.004	.005	10.0	1.00	47	12.0	4.55	39	6.94	79
	04/07/80	.068	1.63	.005	<.005	11.5	2.00	56	13.8	7.0	63	6.99	100
	30/07/80	.026	1.52	.007	<.005	18.0	9.10	95	24.0	14.0	118	6.93	116
	08/09/80	.060	1.38	.005	.005	11.0	4.85	80	18.6	8.5	81	6.90	88

WATERBODY: MASKINONGE CREEK  
TOWNSHIP: CASMIR, JENNINGS, APPLEBY  
PROGRAM: SPECIAL STUDY

SAMPLE TYPE: GRAB

Station	Date D/M/Y	COND. umho/cm	TOC mg/L	TIC mg/L	TP mg/L	SOLP mg/L	DO mg/L	TEMP mg/L	SS mg/L
MC-1	30/04/80	105	12.2	8.8	.068	.007			47
	03/06/80	650	16.8	15.6	.050	.003	10	23	
	04/07/80	285	18.0	32.6	.095	.007			25
	30/04/80	165	16.2	17.0	.065	.007	10	16.4	6
	08/09/80	165	14.6	18.2	.045	.012	7.5	14	13
MC-2	30/04/80	140	14.0	11.0	1.08	.066			157
	03/06/80	170	14.6	17.2	.035	.003	16	19	
	04/07/80	190	14.0	19.8	.050	.005	4.7	15	10
	30/07/80	185	16.5	19.4	.058	.005	6.6	15	6
	08/09/80	240	12.6	24.8	.070	.012	7.3	12	58
MC-3	30/04/80	140	15.2	13.6	.062	.011			9
	03/04/80	235	20.0	25.6	.190	.008	6	19	
	04/07/80	155	18.0	15.8	.068	.014	7.3	19	7
	30/07/80	108	24.2	30.0	.088	.019	7.7	17	11
	08/09/80	390	14.2	46.0	.080	.019	7	17	13
MC-4	30/04/80	210	17.0	16.0	2.25	.080			3418
	03/06/80	440	8.4	.36	.022	.002	9	19	
	04/07/80	460	9.4	45.4	.036	.008	7.8	21	9
	30/07/80	460	7.4	48.0	.042	.006	8.6	21.5	9
	08/09/80	450	5.0	43.6	.040	.008	5.4	19	26
MC-5	30/04/80	60	10.2	4.8	.018	.002			2
	03/06/80	80	17.4	9.2	.032	.007	5	18	
	04/07/80	80	17.4	10.0	.045	.004	2.0	19	3
	30/07/80	95	19.2	13.0	.125	.003	1.3	18	11
	08/09/80	190	22.0	17.8	.060	.004	1.6	16	14
MC-6	30/04/80	120	13.6	9.0	.088	.021			23
	03/06/80	115	18.0	13.4	.158	.037	8	18	
	04/07/80	135	19.2	15.6	.175	.044	5.9	20	19
	30/07/80	250	17.2	26.0	.188	.044	4.8	19	20
	08/09/80	195	17.8	23.8	.195	.066	2.8	18	14

Date Due

Ontario. Ministry of the  
Environment. Northeastern Region.

Water Quality summary.  
Northeastern Region, water  
resources assessment.

MOE/WQS/ARWG  
1980

Date	Issued To
FEB 1 1982	S. TRACY - W.Q.
MAR - 1 1982	E. PICHE - 40-6
MAR 15 1982	G.W. Brink 135-8
MAR 15 1982	W. HOFFMANN WQ

MOE/WQS/ARWG

Ontario Ministry of the En  
1980 water quality  
summary Northeastern arwg

C.1 a aa



MINISTRY OF THE  
Environment Ontario  
Laboratory Library  
125 Resource Bld.  
Etobicoke, Ontario M9P 3V6  
Canada

PRINTED IN CANADA

